UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1964-1965

UNIVERSITY COLLEGE
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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD STRANG,
G.C.B., G.C.M.G., M.B.E., B.A., LL.D.

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE

F. J. STEPHENS, M.A.

TREASURER

SIR BERNARD WALEY-COHEN, BT, LL.D.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

A. TATTERSALL, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

This Report of the session 1964–65 covers not only the session itself, but the long vacation that followed, for a number of matters of major interest came up during this period. Before the end of the session, the Joint Committee of the Professorial Board and of the College Committee on the office of Provost had extended an invitation to Lord Annan, the Provost of King's College, Cambridge, to accept the appointment, although the actual announcement had to be delayed until the following session. Lord Annan, who will take up his appointment on 1 October 1966 on the retirement of Sir Ifor Evans, will be the fifth Provost of University College London. Lord Annan was born in 1916. He was a scholar of King's College, Cambridge and became a Fellow of that College in 1944 and a University Lecturer in Politics in 1948. He has been Provost of King's College since 1956. He has been associated with the development of the University of East Anglia and of the University of Essex. He was created a Life Peer in 1965. Among his publications are *Leslie Stephen: his thought and character in relation to his time* and other works in the field of English political thought.

Another important event which occurred during the vacation was the acquisition by the College of a handsome building, previously the offices of the National Union of General and Municipal Workers, in Endsleigh Gardens. The major part of the cost was met by a capital grant from the University Grants Committee, but the balance came from a generous donation of £50,000 made by the Max Rayne Foundation, which has already placed £500,000 at the disposal of the College for the construction of student houses. These premises will provide new and much improved accommodation for the enlarged Faculty of Laws. The possibility of acquiring this building came at a time when the College had been much discouraged by the delay in building projects, following the Government directive which postponed the start of schemes in many Universities. This arbitrary ruling, which has worked unfairly as between various institutions, has hit the College particularly severely in the fact that the new Department of Chemistry, Stage IV of the new Engineering Building, and accommodation for the Library in the National Central Library and Chaucer House were all held up.

The College was visited on 26 May 1965 by the University Grants Committee under the Chairmanship of Sir John Wolfenden, and the whole College was much encouraged by the warmly expressed statement that he made of the high distinction that he and his Committee had discovered in the College in all its academic departments. He further stated that, though the University Grants Committee did not look to any major University expansion in London, some exception would be made in the case of University College and that, in view of the high level of work that was being achieved, the Committee would look favourably on the acquisition of a certain number of new sites even if this did not mean any substantial increase in the number of students.

We drew attention in our last Report to the fact that the Robbins Committee had stated that four of the Colleges of the University had made fundamental criticisms of the existing structure and that University College was among these four.

During the present session there have been long and helpful discussions between the Steering Committee of the University and a Joint Committee of the Professorial Board and the College Committee under the Chairmanship of Lord Strang. Many of the reforms which University College has long wished to see accomplished within the academic field have now either been attained or seem within promise of attainment. In particular, it seems certain that the College will soon enjoy far fuller jurisdiction over the structure and the content of the courses which are taught, and have freedom to exploit to the full our great teaching potential. This is a matter to which the College has attached the greatest importance. A number of problems, however, are still outstanding before University College can readily accept a position in the federal University, but all these issues are still under constructive discussion.

The Robbins Report has led to a great emphasis being placed on student numbers. Fortunately, the University Grants Committee has recognised the exceptional status of University College London, where we have always concentrated on honours degrees and research, and the Chairman of the University Grants Committee has stated, confirming an opinion which his Committee has on a number of occasions now expressed, that the College should increasingly concentrate on postgraduate teaching and research.

University College London has made strenuous efforts to meet the appeal made by the Chairman of the University Grants Committee, following the findings of the Robbins Report, for a rapid increase in the total student population.

The total number of students in the College has reached the figure of 4,354 of whom 1,304 are postgraduates. In addition, there are 236 Honorary Research Assistants and Associates many of whom are working full-time on post-doctoral research, and who are paid for by outside grants. The total number of the academic staff, apart from these Honorary Assistants and Associates, is 651, of whom ninety are Professors. This does give some impression of the scale of our operation at the present time.

As we emphasised in our last Report, it is particularly dangerous from the point of view of University College that the assessment of academic achievement should be made by a mere counting of numbers, formidable though the numbers of our academic society now are. We have throughout emphasised our own individual character. We do not favour for University College the general studies which are proliferating throughout the country as a whole. We are of the opinion that if the United Kingdom is to retain, or in some fields one must regretfully say regain, its eminence in the scientific and in the industrial field, if advances are to be made in this country in Chemistry, Physics, and the Biological Sciences, there will have to be concentration and specialisation and study in depth; and, indeed, this applies to all the faculties. It is in this faith that we are now working and seeking for facilities, which come all too slowly, for modernised laboratories, for larger libraries, and for a sufficient staff to see that there is the right degree of consultation between undergraduates and senior members of the College. We are of the opinion that academically we can compare with any university institution in Western Europe, but it will be necessary for capital funds to be placed at our disposal a little less grudgingly if this pre-eminence is to be maintained.

We were able to report last year on the considerable progress that we had made in the severe problem of the living accommodation of our students in London. We noted the help of our Anonymous Donor, which now amounts to £631,000, and the help which Mr Max Rayne through his Foundation has given for student houses, as we have mentioned already, to a sum of £500,000. We referred to the gift made by Sir Harold Samuel of £250,000 for a site for student houses at Whitcher Place; and his further gift, in relation to his building in Oxford Street, which is worth to us some £160,000 and which will enable us to increase our student accommodation by about 130 places.

We are still looking for further support so that we may be able to house a greater number of our students in decent conditions,

within reasonable distance of the College. While these are plans for the future, which have been severely held up by the restriction on building, we are happy to be able to report that during the session the first of the Anonymous Donor's benefactions, Ramsay Hall, was formally opened by Her Majesty Queen Elizabeth the Queen Mother, Chancellor of the University of London, on 3 March 1965. This was an occasion of particular importance as Ramsay Hall is the first hall of residence of the College to be built since the war and, as we recorded in our last Report, the building must rank as one of the finest halls of residence in the country. After performing the opening ceremony most graciously, the Chancellor spent some time touring the Hall and meeting in the study bedrooms, common rooms, and later at tea, many of the 127 men students who had come into residence in October 1964 under the Wardenship of Dr Gordon Hall, Senior Lecturer in French at the College.

Among minor developments in the field of residential accommodation, we are able to report that 5–6 Colosseum Terrace, providing accommodation for thirty-seven men students on a student room basis, was opened at the beginning of the session. The lease of these premises and the provision of furnishings were financed by a University Grants Committee grant. Further, four houses, 12–15 Bedford Way, were opened at the beginning of the summer term for sixty men students, also on a student room basis. These premises are included in the University development plans and we have no guarantee of continuing our tenancy after December 1966, but it is hoped that we shall be able to obtain an extension. A small amount of existing accommodation on the Whitcher Place site has similarly been brought into temporary use.

Holmbury House, Holmbury St Mary, was acquired with the aid of a donation from Messrs Mullard Ltd, and will accommodate the Space Research Group of the Department of Physics. Necessary adaptations were held up for three months before exemption from the deferment of capital projects could be obtained. It is no part of the long-term policy of the College to have units which are far removed from the main buildings in Gower Street, but on this occasion, had we not relied on the Mullard benefaction, there would be no alternative but to see the work of this group, which has an international reputation, break up altogether. Previously, the one outpost of the College had been the Observatory and the Department of Astronomy at Mill Hill, and in addition a property has now been acquired in Daws Lane, Mill Hill, which will be used in connection with the research carried out at the Observatory.

On the Gordon Street frontage, work has started on the erection of Stage I of the Central Collegiate Building towards which the late Lord Marks gave £100,000. This will contain an Assembly Hall and Theatre to seat five hundred, an extension to the Refectory, and certain reading and recreation rooms. It is hoped that the work will be completed in 1967. Adjoining the Central Collegiate Building the extension to the Physics Building is in course of erection and should be ready for occupation in the summer of 1966.

North of the College on a site in Euston Buildings, the erection of a building to house the Departments of Human Genetics and Biometry and of Animal Genetics was commenced. Towards the total cost of this building the Wolfson Foundation gave £200,000 and the Medical Research Council £45,000. Plans have been prepared by Anthony Cox for a pair of 'pavilions' of elegant design and these have won the warm approval of the Royal Fine Art Commission. They will flank the main entrance in Gower Street. Funds are not yet available for their construction.

The major disappointment during the session has been the capricious way in which the Government instruction of a hold-up of new building contracts has operated and, indeed, the delay in the building of the new Department of Chemistry is little short of disastrous. The overcrowded conditions in the old Department are such as prevail in no university chemistry department in the country. At the same time, one must recall the distinction of the Department at University College and also its size. It has more honorary members of staff pursuing full-time research on grants derived from independent sources than it has full-time members on the College establishment. There are 114 research workers, excluding staff, in the Department, of whom about a third are at post-doctoral level.

Of the interesting academic developments during the year we would select only a few of the most important for comment. University College London has, from the early days, played an important part in the origin and growth of University Institutes. The first of these was the Institute of Historical Research, which was established through the far-sighted initiative of Professor A. F. Pollard when he was a Professor of History at the College. During the present session there has been formulated a need for an Institute of Latin American Studies following the report of the Parry Committee, and also an Institute of United States Studies to develop the work on North America which has, for a number of years,

been carried out in the College. It was only natural that the University should turn to the College for the Directors of both these Institutes. Professor R. A. Humphreys has been appointed part-time Director of the Institute of Latin American Studies, though he will also continue in the College on a part-time basis as Professor. Professor H. C. Allen has been appointed part-time Director of the Institute of United States Studies and he again will retain his Chair in the College on a part-time basis.

There have been important developments in the Bartlett School of Architecture, which is under the direction of Professor Lord Llewelyn-Davies. In the last Report we referred to the establishment of a Chair of Environmental Design and Engineering under the Haden-Pilkington endowment. This is the first of its type in the country, and Professor R. G. Hopkinson was appointed to it from January 1965. A Chair of Building has been established, made possible by generous financial support from the London Master Builders Association. This is the first Chair of its kind to be established in Great Britain and Professor D. A. Turin, who has been appointed to it, takes up his duties in October 1965. Its establishment follows a programme initiated at University College, whereby postgraduate architectural students undergo a period of training with building contractors in the London area. It is expected that the new Chair will have an important effect in bridging the gulf between the professions and the industry in building.

The College has accepted a most generous offer made by the Memorial Foundation for Jewish Culture of a grant of £42,000 spread over seven years plus a reserve of £4,200, for Jewish Studies in the College. When the Institute of Jewish Studies had to give up its temporary home at Oxford, the College most readily welcomed it into association with the Department of Hebrew at University College. It is the sole surviving Institute of its kind in Western Europe. Those who have been interested in the work of the Institute have been aware that its academic and research programmes have been severely restricted by lack of funds and it is a source of great pleasure that now something more adequate can be devised which will bring the Institute of Jewish Studies into even closer relationship with the Department of Hebrew, which itself will become a Department of Hebrew and Jewish Studies in the College.

Among many other important research projects has been the establishment of Dr Downer's Cerebral Functions Research Group in the Department of Anatomy, financed by the Medical Research Council.

The income of the College for 1964–65 amounted to £3,276,569, an increase of £412,466 over 1963–64. The main features of this large increase were a supplementary addition to the block grant of £100,000 for the implementation of the Robbins 'crash' programme; £175,696 for salary revision (being a full year for the National Incomes Commission award operative from 1 April 1964); £82,000 to make good erosion by rising costs; £42,557 for maintenance of new buildings and increased rating liabilities; and £14,830 increased fees arising from the increased number of undergraduate and postgraduate students.

Expenditure also increased on a corresponding scale: it reached £3,282,993 exclusive of the cost of researches borne by outside grants which totalled £664,655 as compared with £509,503 in 1963–64. The number of active research projects reached 288, an increase of 32.

The increased expenditure included the establishment of eighteen new academic posts to implement the Robbins 'crash' programme, along with an increased establishment of technicians and increased grants for equipment. An interim salary increase for technical staffs has been implemented, pending a more thorough-going review of their salary structure. We should like to pay tribute to the value of the services rendered to the College by these expert workers, most of whom have received all their training in the College, and whose contribution is essential to our programme of teaching and research.

Capital grants announced for the year amounted to £1,354,234, and claims against these and earlier capital grants in reimbursement of expenditure incurred amounted to £723,082.

The Friends of University College London have thought it wise to reserve most of the limited funds at their disposal so that they will be in a position to assist when the Central Collegiate Building now under construction is ready for occupation. They are also anxious to supply certain amenities to the additional student accommodation now in the planning stage.

The most interesting project that the Friends have in hand is the production of an illustrated catalogue of the designs and sculptures of Flaxman, many of which are in the College. This proposal has been somewhat held up by the regretted death of Mr Rupert Gunnis, who was undertaking the work in association with Dr Margaret Whinney. Fortunately, Dr Whinney has undertaken to complete the work and it will, in due course, be published by the Athlone Press. The Friends have also under contemplation finding funds

for the purchase of one of the most interesting portraits of Jeremy Bentham, a copy of which is in the National Portrait Gallery. The Association of Friends began its appeal nearly thirteen years ago, and though it has not attracted the breadth of support that might have been hoped for, it has been able to make valuable contributions to the amenities of the College.

The Assembly of Faculties was held at Friends' House on 24 June 1965, when the Special Visitor was Lord Todd, Master of Christ's College, Cambridge, and Professor of Organic Chemistry in the University of Cambridge.

STRANG, *Chairman*

IFOR EVANS, *Provost*

SUPPLEMENT

HONOURS AND DISTINCTIONS

Life Baronies were conferred in the course of the year on Professor Sir William Holford, Head of the Department of Town Planning, Professor Dennis Lloyd, Professor of Jurisprudence, A. A. Goodman, Fellow of the College and an Honorary Lecturer in the Department of Laws, and F. G. Bowles, a former student of the same Department, who was re-elected as Labour Member of Parliament for Nuneaton at the 1964 General Election.

The 1965 New Year Honours List included a number of awards to former students of the College among which were a Knighthood conferred on Dr J. Vernon for services to commerce and industry in Australia, and the Order of C.B.E. on Professor C. W. L. Bevan, Deputy Vice-Chancellor of the University of Ibadan, R. W. Birch, Executive Director of the British Electric Traction Company and Chairman of the Potteries Motor Traction Company, and on Cho Yiu Kwan, a former Laws student, for public services in Hong Kong.

The names of further past and present members of the College appeared in the Queen's Birthday Honours List. Dr P. B. Medawar, Director of the National Institute for Medical Research and formerly Jodrell Professor of Zoology and Comparative Anatomy in this College, received a Knighthood, also Dr the Hon. Seewoosagur Ramgoolam, Premier and Minister of Finance of Mauritius, a former medical student. The Order of C.M.G. was conferred on Dr L. C. Bateman, Chief Executive of the Malaya Rubber Board,

a former student of the Chemistry Department; and the C.B.E. on A. J. Tulip, Senior Chief Inspector in the Ministry of Education for Northern Ireland, who was at one time a student in the History Department, and also on Keith Vaughan, who is a member of the staff of the Slade School of Fine Art.

Among the many interesting and important appointments obtained by others associated with the College were those of the Venerable P. J. Chandler as Archdeacon in Cyprus and Chaplain of St Paul's, Nicosia; Sir Edwin Chapman-Andrews as Chairman of the British National Export Council's Committee for Middle East Trade; Professor G. C. Drew as a member of the Science Research Council; Sir Ifor Evans as Chairman of the Printed Books Sub-Committee of the British Museum; A. A. Goodman (since created a life peer) as Chairman of the Arts Council of Great Britain; Lord Holford as a member of the Transport Advisory Council; Professor Sir Harrie Massey as Chairman of the Council for Scientific Policy; G. W. Odey as a Warden of the Leathersellers' Company; Sir John Richmond as Ambassador Extraordinary and Plenipotentiary to Khartoum and Sir Richard Turnbull as British High Commissioner for Aden and the Protectorate of South Arabia.

Professor G. C. Allen and Professor T. B. L. Webster were elected Fellows of the British Academy, also Dr E. S. de Beer, at one time a research student in the Department of History, and Professor L. C. B. Gower, who is a Fellow of the College. The Royal Society appointed Professor B. Katz as a Vice-President, and Professor K. Stewartson was elected to a Fellowship of the Society, also Professor G. E. Fogg, an Honorary Research Associate in the Department of Botany since his appointment as Professor of Botany at Westfield College, Professor R. A. Gregory and Professor J. Heyrovský, Fellows of the College, and Dr J. S. Kennedy, a former student of the Department of Zoology. Mr A. Gwynne-Jones, who was for many years associated with the Slade School both as a student and member of staff, was elected a Royal Academician; Sir Harold Himsworth as an Honorary Fellow of the Royal College of Surgeons of England and Professor Emeritus Sir Charles Lovatt Evans as the first Fellow of the Royal Veterinary College, both being Fellows of University College.

The following were honoured by election to foreign academies: Professor Emeritus A. V. Hill as a Corresponding Member of the Academy of the Rumanian People's Republic; Professor A. D. Momigliano as a Foreign Member of the Dutch Academy; Professor Emeritus Sir Christopher Ingold as Foreign Academician of the

Accademia delle Scienze, Bologna, and Professor O. Skutsch as a Foreign Member of Kungliga Vetenskaps-och Vitterhets-Samhället i Göteborg.

Professor M. S. Bartlett was elected President of the International Association for Statistics in the Physical Sciences and also President of the Biometric Society (British Region), Professor R. G. Hopkinson as President of the Illuminating Engineering Society, Professor R. A. Humphreys as President of the Royal Historical Society, Professor A. D. Momigliano as President of the Society for the Promotion of Roman Studies, and Professor E. G. Turner as President of the International Association of Papyrologists.

Honorary Degrees and other awards were conferred on past and present members of the College as follows: the D.Sc. of the University of Manchester on Professor Emeritus E. N. da C. Andrade, the LL.D. of the University of St Andrews and the Litt.D. of the University of Leeds on Professor E. H. J. Gombrich, the D.Sc. of the University of Southampton and the LL.D. of the University of Glasgow on Sir Peter Medawar, the D.Sc.(Econ.) of the University of London on Lord Robbins, the D.Sc. of the University of Strathclyde on Sir Robert Robinson, the title of Doctor *honoris causa* of the Faculty of Philosophy and Letters of the Université Libre de Bruxelles on Professor E. G. Turner, the Litt.D. of the University of Manchester on Professor T. B. L. Webster, the D.Litt. of the University of Oxford and the D.Litt. of Harvard University on Dr C. Veronica Wedgwood, the D.Litt. of the University of Oxford on Sir Mortimer Wheeler, the D.Litt of the University of Birmingham on Dr Mary Woodall, the LL.D. of the University of Aberdeen on Professor F. G. Young, and the D.Sc. of the University of Durham on Professor J. Z. Young.

The Jenner Medal of the Royal Society of Medicine was awarded to Professor Emeritus Sir Austin Bradford Hill, a Royal Medal of the Royal Society to Professor F. W. R. Brambell, the Lampitt Medal for 1965 of the Society of Chemical Industry to Dr H. K. Cameron, the Cromer Greek Prize (divided) of the British Academy to J. P. Barron, the annual W. H. Smith and Son Literary Award to Professor E. H. J. Gombrich, the Chadwick Medal and Prize of the Chadwick Trust to Major-General A. N. T. Meneces, the Sir Israel Gollancz Memorial Prize for 1965 for work in early English to Professor A. H. Smith, the Wollaston Medal for distinguished researches in the field of vertebrate palaeontology to Professor Emeritus D. M. S. Watson, and the Gold Medal of the Goethe Institute, Munich, to Professor Elizabeth M. Wilkinson. Professor

L. S. Penrose was awarded a prize for contributions on the nature and causes of mental disability by the World Health Organisation.

APPOINTMENTS

Within the College, Professor K. Stewartson, formerly of the University of Durham, took up his appointment as Goldsmid Professor of Mathematics and Joint Head of the Department of Mathematics at the beginning of the session. In January 1965, Dr R. G. Hopkinson came from the Building Research Station to the new Haden-Pilkington Chair of Environmental Design and Engineering in the Bartlett School of Architecture, and Professor J. A. C. Thomas, Douglas Professor of Civil Law in the University of Glasgow, to the Chair of Roman Law. Dr C. A. B. Smith, formerly Reader in Genetical Statistics in the College, was appointed to the Weldon Chair of Biometry. Other members of the non-professorial staff who became professors by conferment of title were Dr L. Fowden, Professor of Botany, Dr D. R. Laurence, Professor of Pharmacology and Therapeutics (at University College and University College Hospital Medical School), Dr D. J. Millen, Professor of Chemistry, and Dr W. Schwarz, Professor of German. Dr J. S. Wilkie, Reader in History and Philosophy of Science, was appointed Acting Head of that Department. The following were appointed to established Readerships: Dr G. V. Groves (Physics), Dr M. K. Wells (Geology), and Dr A. P. Willmore (Physics). The title of Reader was conferred by the University on Dr R. J. Audley (Psychology), Dr M. Ruth Bellairs (Embryology), Dr J. T. Coppock (Geography), Dr A. G. Davies (Chemistry), Dr M. A. K. Halliday (General Linguistics), Dr D. W. O. Heddle (Physics), Dr C. Henderson (Physics), Dr R. E. Jennings (Physics), Dr J. Lynch (Hispanic and Latin American History), J. D. O'Connor (Phonetics), J. E. Pascoe (Physiology), J. T. Pring (Phonetics), J. Spraos (Political Economy), Dr W. K. Taylor (Electrical Engineering), Dr D. W. M. Waters (English Law), and Dr G. A. Wells (German).

At the beginning of the session there were a number of changes in Faculty appointments. Professor J. Hurstfield was elected as Dean of the Faculty of Arts, Professor D. Lewis as Dean of the Faculty of Science, Professor R. E. D. Bishop as Dean of the Faculty of Engineering, and Professor H. O. Schild as Dean of the Faculty of Medical Sciences. The following became Vice-Deans: Professor B. Woledge (Arts), Professor R. S. Nyholm (Science), Professor

A. H. Chilver (Engineering), and Professor A. F. Huxley (Medical Sciences).

Many members of the academic staff and former staff and students of the College obtained academic appointments outside the College. Within the University of London, R. Browning was appointed to the Chair of Classics tenable at Birkbeck College, Professor F. R. Crane to the Chair of Law at Queen Mary College, Mrs Barbara G. Hardy to the Chair of English Language and Literature at Royal Holloway College, Professor G. J. Kane to the Chair of English Language and Medieval Literature at King's College, Professor K. C. King to the Chair of German at King's College, and Professor K. F. Roth to the Chair of Pure Mathematics (Theory of Numbers) tenable at the Imperial College of Science and Technology from October 1966. The title of Professor of Chemistry at Bedford College was conferred on Dr J. W. Smith, and the title of Professor of Applied Mathematics on Dr R. W. Tiffen in respect of his post at Birkbeck College. Mr J. T. Farrand was appointed to a Readership in Law tenable at Queen Mary College, C. H. Peake to a Readership in English at Queen Mary College, and H. D. Sacker to a Readership in German at Bedford College. The title of Reader in Biochemistry at Middlesex Hospital Medical School was conferred on Dr P. N. Campbell, and the title of Reader in German on Dr Ilse Graham in respect of her post at King's College, and on M. O'Connell Walshe, Deputy Director of the Institute of Germanic Studies.

Announcement was made during the year of the appointment of the following members of staff and former students of the College to academic posts in other Universities: Dr L. Brent to the Chair of Zoology in the University of Southampton, Dr P. L. Broadhurst to the Chair of Psychology in the University of Birmingham, Dr J. T. Coppock to the newly-instituted Ogilvie Chair of Geography in the University of Edinburgh, Professor H. C. Darby to the Professorship of Geography in the University of Cambridge, Dr E. J. Denton to the seventh Royal Society Research Professorship, Dr B. R. Crick as Professor of Political Theory and Institutions in the University of Sheffield, Dr E. H. Frost-Smith to the Chair of Electrical Engineering in the University of Belfast, Dr G. M. Jenkins to the newly-established Chair of Systems Engineering in the University of Lancaster, Dr C. A. Mayer to the James Barrow Chair of French in the University of Liverpool, Professor D. R. Newth to the Regius Chair of Zoology in the University of Glasgow, Dr M. Schachter to the Chair of Physiology in the University of Alberta, Dr G. A. Williams to a Chair of History in the University

of York, H. M. Colvin as Reader in Architectural History in the University of Oxford, Dr D. W. O. Heddle to a Readership in Physics in the University of York, R. D. Lord as Reader in Mathematics in the University of Strathclyde, Dr N. Rast to a Readership in Geology in the University of Liverpool, and Dr J. D. Nelms as Head of the Department of Physiology in the University College of Rhodesia and Nyasaland. The title of Professor of Biology was conferred on Dr J. D. Gillett by Brunel College in anticipation of the granting of university status to that College.

Towards the end of the academic year, Mr J. R. Tovell, formerly Finance Officer of University College, Nairobi, and Honorary Financial Adviser to the University of East Africa, succeeded Mr H. W. Claxton as Finance Secretary and Accountant of the College.

RETIREMENTS

Professor M. B. Donald retired at the end of the academic year, having been a member of the staff of the Department of Chemical Engineering since 1931 and holder of its Ramsay Memorial Chair since 1951. He has been largely responsible for shaping the pattern of Chemical Engineering studies as they have emerged over the years, first in the College and later at other Colleges of the University. His influence as Head of his Department, as Chairman of the University Board of Studies in his subject, and as a leader in the work of the professional Institution of Chemical Engineers, has been profound; and the great success which marks his contribution has been due very largely to his understanding of people and points of view that were contrary to his own. Whether with staff or students, he has always been ready to help and to go out of his way to resolve difficulties. No doubt his advice will continue to be sought and certainly the impact of his work will not be forgotten.

Professor L. S. Penrose came to the college as Galton Professor in 1945. During twenty years of tenure of the Chair he initiated and encouraged many lines of work, and the Galton Laboratory enjoyed an international reputation as a training and research centre for human genetics. Many students from England and from abroad attended the postgraduate courses in his Department. Professor Penrose was especially gifted in the statistical analysis of data and contributed many important papers in this field. His interests however were very broad, and he encouraged the development of human biochemical genetics and of human cytogenetics with conspicuous success. As a leading authority on human genetics, and

especially on mental deficiency studies, he received many honours and awards. He was elected a Fellow of the Royal Society in 1953; in 1960 he received the Albert Lasker award, in 1963 the Kennedy award, in 1964 the James Spence Medal of the British Medical Association, and in 1965 a World Health Organisation award for research on mental defect.

Although Professor Emeritus D. M. S. Watson retired from the Jodrell Chair of Zoology and Comparative Anatomy in 1951, he had remained at work in the Zoology Department since then as an Honorary Research Associate. He resigned this appointment, however, at the end of the session terminating a period of fifty-three years continuous and distinguished service in the College. The familiar figure of Professor Watson will be greatly missed though, as an Honorary Fellow, his association with the College is happily still maintained.

The retirement of Dr Julia Bell, Honorary Research Associate in the Department of Eugenics, Biometry and Genetics, takes from the College another whose association with it goes back to the early years of the century. Dr Bell came to the College as Assistant to Professor Karl Pearson in 1908. For many years she held the title of Honorary Galton Research Fellow, and has played a notable part in the important work of the Galton Laboratory.

Dr R. E. Gibbs retired from his Readership in the Physics Department fifty years after his first entry to the College as a student. Although enrolled as a potential Engineer in 1915, he subsequently transferred to read Physics and, after graduating, worked under Sir William Bragg, the Nobel Prize winner and founder of modern crystallography. He accompanied Sir William to the Royal Institution but returned to the College to renew an association subsequently broken only by war service with the Royal Aircraft Establishment. In 1952 he succeeded Mr Orson Wood as Sub-Dean of the Faculty of Science and Tutor to Science Students, and carried out the arduous duties attached to these appointments for thirteen years with characteristic quiet efficiency, giving his time and attention unsparingly to a countless number of students, many of whom will remember his help most gratefully. At the same time, as Deputy Director of the Physics Laboratories under Sir Harrie Massey, Dr Gibbs built up a system of specialised training in modern experimental physics worthy of a department in which Carey Foster, almost a century before, had pioneered that branch of teaching in this country. All these duties he combined with those of a member of the Senate of the University of London and chairman of its

Board of Studies in Physics, posts he will continue to hold after his retirement from the College. The long and outstanding service Dr Gibbs has given to the College was recognised by his election as a Fellow in 1962.

Dr L. Margaret Kerly, Reader in Biochemistry, came to the College in 1926 as a postgraduate student and, when she retired in 1965, had been a member of the staff of the Department of Biochemistry for over thirty years. During this time she gave exceptional service to the Department, and special mention might be made of two of her most outstanding achievements. In the first place, when the Department was evacuated during the war years to Leatherhead and Sir Jack Drummond was absent, Dr Kerly ran the Department practically single-handed and organised the move back to London at the end of the war. She also acted as Head of the Department in 1956–57 and again during part of 1965. Secondly, when the new Biological Sciences Building was planned, Dr Kerly, at her own request, took on the detailed internal planning and equipment of the new Department of Biochemistry; and the skill and excellence of her planning and the unstinted devotion she gave to it was perhaps her greatest contribution to the College. As a biochemist she became an authority on carbohydrate metabolism and was best known for her work on the retina. Dr Kerly's interests and activities, however, have not been confined to her own academic department; and, particularly in more recent years, she has played a most useful part in general College affairs by serving on many of its more important committees, including the College Committee, Professorial Board, Finance Committee, and Student Accommodation Committee. Dr Kerly is another who has been honoured by election to a Fellowship of the College in recognition of many years of invaluable service to it. Happily her association with the Department and the College will be continued by her appointment as an Honorary Research Associate.

The retirement of Dr Kathleen Law from her academic post in the Department of Biochemistry also brought to an end her most successful tenure of the Wardenship of Campbell Hall in which, during the past ten years, she had won the admiration and affection of all her colleagues and students.

The long and distinguished career of Mr R. Nuttall-Smith as a teacher of drawing and painting in the Slade School of Fine Art came to an end in 1965. He was first appointed to the staff of the School during its wartime evacuation to Oxford, and for some years acted as Tutor in the School.

The College lost one of its senior administrative officers by the retirement in 1965 of Mr H. W. Claxton, Accountant since 1947 and Finance Secretary and Accountant since 1952. Mr Claxton came to University College after a varied career in the Colonial Service, having served in a number of African territories. He had the task of building up the College's financial machinery, in inadequate accommodation and with the minimum of equipment, at a time of great activity in both reconstruction and development. The organisational side of his work was naturally seen by few, though the smoothness with which the machine worked must have made clear to all that the organisation he created was a sound one. He will be best remembered by many in the College for his imperturbability, for the infinite resourcefulness he showed in finding ways of meeting unexpected demands, and for the uncanny accuracy of his estimating and budgetary control. In his time the annual budget rose from under £600,000 to over £3,000,000; but he always contrived—just—to keep the College solvent.

Mention should also be made of Mrs Margaret Cunyngham-Brown, House Warden of Bentham Hall from 1951 to 1965 and the first House Warden of the first hall of residence to be opened by the College after the war. Mrs Cunyngham-Brown worked most strenuously for the welfare of men students who have lived at Bentham Hall through the past fourteen years and will be remembered perhaps with particular gratitude by the overseas students, for whom she always showed special concern.

RESIGNATIONS

After seventeen years' continuous service, Sir Frederick James resigned his membership of the College Committee in February 1965. He was amongst the longest serving of its present members. He became Treasurer of the College in 1952 and in 1955 Vice-Chairman of the Committee also, and held both these offices until 1962. Since then, despite numerous other commitments, Sir Frederick had maintained his link with the College and his devotion to its welfare, continuing to take a warm and friendly interest in all its affairs.

The only resignation from the professorial staff at the end of the session was that of Professor O. J. L. Szemerényi. He left the College to take up an appointment as Professor of Comparative Philology in the University of Freiburg. Professor Szemerényi had been responsible in the College for teaching and research in the field of Comparative Philology since 1952, giving invaluable service

to the staff and students of many Departments within the Faculty of Arts. He became the first holder of the Chair of Comparative Philology which was established in 1960 and he inaugurated it with great distinction.

OBITUARY

We record with regret the death during the year of a number of past and present members of the College, among whom were two of its Honorary Fellows, Lord Bossom of Maidstone and Lord Marks of Broughton.

For many years Lord Bossom took a keen interest in the Bartlett School of Architecture, encouraging the work of its students by the award of medals and prizes with which his name was associated. In more recent years his concern for the welfare of the College as a whole found expression in the active interest he took in the Association of Friends of the College. He was one of the Founder Members of the Association, serving successively as a Vice-President, its Treasurer, and a member of the Council.

The College lost a generous benefactor by the death of Lord Marks. He made substantial gifts through his own Charitable Trust and through Marks and Spencer Limited towards the building of the students' refectories completed in 1961, and the Collegiate Building, the first stage of which is in process of erection, showing in this way a keen and practical interest in the welfare of the students of the College.

Other Fellows of the College who died during the year were Henry Bassett, Professor Emeritus of Chemistry of the University of Reading, Miss Clemence Dane, writer and playwright, Dr R. J. Ludford, Honorary Lecturer in Cytology in the Department of Anatomy and Embryology, the Earl of Mount Edgcumbe, past President and Honorary Member of the Institution of Electrical Engineers, and T. F. T. Plucknett, Professor Emeritus of Legal History at the London School of Economics.

Professor Emeritus J. B. S. Haldane died in India where, since he left the College in 1957, he had been first Research Professor at the Indian Statistical Institute in Calcutta and later Director of the Genetics and Biometry Laboratory in the University of Orissa at Bhubaneswar. He came to the College in 1933 as Professor of Genetics and in 1937 was appointed to the Weldon Chair of Biometry, which he held until his resignation twenty years later. He will long be remembered in the College as a figure of outstanding originality with an enormously wide and diversified range of learning.

Although Professor Emeritus W. H. Pearsall retired from the Quain Chair of Botany in 1957, his subsequent appointment as an Honorary Research Associate in the Department of Botany was a means of maintaining his valued association with the College up to the time of his death in October 1964. His appointment to the Quain Chair in 1944 brought him to University College when the Department of Botany had as a result of the war dwindled in size and activity. In spite of immense difficulties Professor Pearsall built up a department which could hold its own with any in the country. He made a notable contribution to the life and work of the College as a whole during the period of post-war development, and at the same time played a large part in the establishment of the Nature Conservancy of which he was a Charter Member (1949) and later Chairman of the Scientific Policy Committee.

News of the death in July 1965 of Sir John Lockwood, Master of Birkbeck College, brought a keen sense of loss to very many at University College. His long association with the College began in 1927 when he was appointed a Senior Assistant in the Departments of Latin and Greek. In 1940, during the period of the evacuation of the classical and other Arts Departments to Aberystwyth, he became Tutor to Arts Students. His achievements as a scholar had just been recognised by the conferment of a Readership; but, responding to the needs of the College in exile, he temporarily laid aside his research and undertook a very heavy teaching and tutorial load. In 1943 he was appointed acting Head of the Department of Latin and in 1945, when the College returned to London, he succeeded to the Chair of Latin. He played a full part in the reconstruction of the life and work of the College in Gower Street before going to Birkbeck in 1951, and into wider spheres of University administration in which his outstanding ability as an administrator was recognised by his election in 1955 as Vice-Chancellor of the University of London. He concerned himself with many aspects of education in this country and throughout the Commonwealth and to all his important tasks he brought the full measure of his manifold gifts and untiring industry.

Other former members of staff who died during the year were Sir John Gaddum, who was Professor of Pharmacology in the College from 1935 to 1938, C. C. L. Gregory, a member of the staff of the Department of Mathematics from 1921 to 1950 and Senior Lecturer in Astronomy from 1927 to 1950, Miss Violette C. Lafleur who came to the Department of Egyptology as a student in 1933 and was a member of the staff from 1935 to 1954, and J. P. Mullen,

who was appointed to the staff of the Department of Chemical Engineering in 1928 and was holding an appointment as Senior Lecturer when he retired in 1958.

The Maintenance Department lost a valued member of its staff by the death in August 1965 of Leonard Woolven. He came to the Department in 1932 and had been Foreman Carpenter since 1946.

PUBLICATIONS BY MEMBERS OF COLLEGE DEPARTMENTS

[1 AUGUST 1964—31 JULY 1965]

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chairman: The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	7–7
Vice-Chairman: F. J. Stephens, M.A.‡	5–7
Treasurer: Sir Bernard Waley-Cohen, BT, LL.D.‡	5–7
Professor H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., F.R.S.†§	3–3
Professor R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), A.M.I.MECH.E., A.F.R.AE.S.†¶	4–4
Mrs Irene Chaplin, B.A., J.P.	4–7
P. Dunsheath, C.B.E., M.A., D.SC.(ENG.), D.ENG., LL.D.	4–7
Sir Ifor Evans, D.LIT.† *Provost*	7–7
Sylvester Gates, C.B.E., B.A.	6–7
Professor J. A. B. Gray, SC.D., M.A., M.B., B.CHIR.¶	1–4
J. C. Hawksley, C.B.E., M.D., PH.D., F.R.C.P., M.R.C.S.†	4–7
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	7–7
Professor R. A. Humphreys, O.B.E., M.A., PH.D.§	3–3
Professor A. F. Huxley, M.A., D.SC., M.D., F.R.S.§	6–6
Professor D. Lewis, D.SC., F.R.S.	6–7
The Rev. A. Montgomery Mann, T.D., B.A., B.D.	4–7
R. D. McLellan, PH.D.†¶	4–4
T. A. L. Paton, C.M.G., B.SC., M.I.C.E., M.AM.SOC.C.E.†	1–7
Sir Edward Playfair, K.C.B.	4–7
Constance M. Rigby, M.A., PH.D.	7–7
Professor E. C. Ryder, M.A., LL.B.	7–7
G. F. Vaughan, M.B., M.R.C.P., D.P.M.	3–7
G. E. Walker, O.B.E., M.A.	6–7
E. M. P. Welman	2–7

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1964 to 30 September 1965. † Fellow of the College. ‡ Hon. Fellow of the College. § Membership terminated before 30 September 1965. ¶ Appointed after 1 October 1964.

APPENDIX II

PROFESSORIAL BOARD

Chairman: Sir Ifor Evans, D.LIT., Provost†

M. Abercrombie, M.A., B.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, C.B.E., M.COM., PH.D., F.B.A., Professor of Political Economy

H. C. Allen, M.C., M.A., Commonwealth Fund Professor of American History

G. F. Arnold, B.A., Lecturer in Phonetics

Ernest Baldwin, PH.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., F.R.S., Pender Professor of Electrical Engineering†

J. A. Barnard, PH.D., A.R.C.S., D.I.C., Senior Lecturer in Chemical Engineering

T. Barnard, PH.D., D.I.C., Professor of Micropalaeontology

N. A. Barnicot, PH.D., Professor of Physical Anthropology

M. S. Bartlett, M.A., D.SC., F.R.S., Professor of Statistics

R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), M.I.MECH.E., A.F.R.AE.S., Kennedy Professor of Mechanical Engineering†

R. L. F. Boyd, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Physics

F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering

Arthur Brown, M.A., D.LIT., Professor of English

J. Brown, M.A., PH.D., D.SC.(ENG.), A.M.I.E.E., Professor of Electrical Engineering

E. H. S. Burhop, B.A., M.SC., PH.D., F.R.S., Professor of Physics

A. H. Chilver, M.A., D.SC., A.M.I.STRUCT.E., A.F.R.AE.S., Chadwick Professor of Civil Engineering

A. B. C. Cobban, M.A., PH.D., Professor of French History

Sir William Coldstream, C.B.E., D.LITT., Slade Professor of Fine Art†

P. E. Corbett, M.A., Yates Professor of Classical Art and Archaeology

D. P. Craig, D.SC., F.R.I.C., Professor of Chemistry†

J. S. Cummins, PH.D., Senior Lecturer in Spanish

H. C. Darby, O.B.E., LITT.D., Professor of Geography

Florence N. David, D.SC., Professor of Probability and Statistics

M. B. Donald, M.SC., F.R.I.C., HON.M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

G. C. Drew, M.A., Professor of Psychology

W. B. Emery, M.B.E., M.A., D.LIT., F.B.A., F.S.A., Edwards Professor of Egyptology

L. D. Ettlinger, PH.D., F.S.A., Durning-Lawrence Professor of the History of Art

C. Fahy, M.A., PH.D., Lecturer in Italian

P. G. Foote, M.A., Professor of Old Scandinavian

Daryll Forde, PH.D., Professor of Anthropology†

† Fellow of the College.

L. Fowden, PH.D., F.R.S., Professor of Plant Chemistry
D. B. Fry, PH.D., Professor of Experimental Phonetics
A. H. Gerrard, Professor of Sculpture
R. E. Gibbs, D.SC., F.INST.P., Reader in Physics and Tutor to Science Students†
J. A. B. Gray, SC.D., M.A., M.B., B.CHIR., Professor of Physiology
H. Grüneberg, PH.D., M.D., D.SC., F.R.S., Professor of Genetics
The Rt Hon. Lord Holford, M.A., D.C.L., LL.D., D.LITT., P.P.R.I.B.A., M.T.P.I., F.I.L.A., A.R.A., Professor of Town Planning
S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology
R. G. Hopkinson, B.SC.(ENG.), PH.D., A.M.I.E.E., Professor of Environmental Design and Engineering
R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History
J. Hurstfield, D.LIT., Astor Professor of English History†
A. F. Huxley, M.A., D.SC., M.D., F.R.S., Jodrell Professor of Physiology
Raymond Irwin, M.A., F.L.A., Professor of Library Studies
E. R. H. Ivamy, PH.D., Professor of Law
B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics†
G. W. Keeton, M.A., LL.D., F.B.A., Professor of English Law
L. Margaret Kerly, M.A., PH.D., Reader in Biochemistry†
E. H. Kossmann, LITT.D.(LEIDEN), Professor of Dutch History and Institutions
D. R. Laurence, M.D., M.R.C.P., Professor of Pharmacology and Therapeutics
D. Lewis, D.SC., F.R.S., Quain Professor of Botany†
The Rt Hon. Lord Llewelyn-Davies, M.A., F.R.I.B.A., Professor of Architecture
The Rt Hon. Lord Lloyd, M.A., LL.D., Quain Professor of Jurisprudence†
Dame Kathleen Lonsdale, D.B.E., D.SC., F.R.S., Professor of Chemistry†
A. Maccoll, PH.D., D.SC., F.R.I.C., Professor of Chemistry
R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek and Latin†
Sir Harrie Massey, D.SC., PH.D., LL.D., F.R.S., Quain Professor of Physics
W. R. Mead, M.SC.(ECON.), PH.D., Professor of Geography
D. J. Millen, PH.D., D.SC., Professor of Chemistry
A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History
R. S. Nyholm, D.SC., F.R.I.C., F.R.S., Professor of Chemistry†
L. S. Penrose, M.A., M.D., D.SC., F.R.C.P., F.R.S., Galton Professor of Human Genetics
N. W. Please, B.SC., Senior Lecturer in Statistics
Randolph Quirk, M.A., PH.D., D.LIT., Professor of English Language
Constance M. Rigby, M.A., PH.D., Lecturer in Mathematics
C. A. Rogers, D.SC., F.R.S., Astor Professor of Mathematics†
K. F. Roth, B.A., M.SC., PH.D., F.R.S., Professor of Mathematics
E. C. Ryder, M.A., LL.B., Professor of English Law
M. Schachter, M.SC., M.D., C.M., Reader in Physiology

† Fellow of the College.

H. O. Schild, M.D., PH.D., D.SC., Professor of Pharmacology

W. Schwarz, M.A., PH.D., Professor of German

G. Schwarzenberger, PH.D., DR.JUR., Professor of International Law

J. W. Scott, B.A., A.L.A., Librarian

M. J. Seaton, PH.D., Professor of Physics

O. Skutsch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., LITT.D., FIL.DR., F.S.A., Quain Professor of English Language and Literature

C. A. B. Smith, M.A., PH.D., Weldon Professor of Biometry

S. Stein, PH.D., Professor of Hebrew

K. Stewartson, M.A., PH.D., F.R.S., Goldsmid Professor of Mathematics

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

O. J. L. Szemerényi, DR.PHIL., Professor of Comparative Philology

J. A. C. Thomas, M.A., LL.B., Professor of Roman Law

E. H. Thompson, O.B.E., B.A., F.R.I.C.S., Professor of Photogrammetry & Surveying

E. G. Turner, M.A., F.B.A., Professor of Papyrology

T. B. L. Webster, M.A., LITT.D., F.B.A., F.S.A., HON.R.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology

D. J. B. White, PH.D., Senior Lecturer in Botany

J. S. Wilkie, B.SC., PH.D., Reader in History and Philosophy of Science

Elizabeth M. Wilkinson, PH.D., Professor of German

B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature

Richard Wollheim, M.A., Grote Professor of Philosophy of Mind and Logic

J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

APPENDIX III

HONORARY FELLOWS AND FELLOWS

The following elections were made in 1965:

HONORARY FELLOWS

Professor Sir Gordon Roy Cameron, F.R.S., Professor Emeritus of Morbid Anatomy in the University of London and formerly Director of the Graham Research Laboratory, University College Hospital Medical School.

Dr Cicely Veronica Wedgwood, C.B.E., Historian and Special Lecturer in the Department of History at University College London.

FELLOWS

Professor Eric James Denton, F.R.S., Royal Society Research Professor of Physiology at the University of Bristol and Physiologist at the Plymouth Laboratory of the Marine Biological Association.

The Rt Hon. Lord Goodman, Solicitor and Senior Partner of Goodman, Derrick & Company.

Professor Roderic Alfred Gregory, George Holt Professor of Physiology in the University of Liverpool.

Dr Lily Margaret Kerly, Reader in Biochemistry in the University of London at University College London.

Mr Ewen Gordon M'Ewen, Deputy Managing Director of the Hobourn Group Limited, Rochester, Kent.

Professor Claude Maurice Rogers, O.B.E., Professor of Fine Art in the University of Reading.

Dr Ian William Wark, C.B.E., Director, Chemical Research Laboratories of the Commonwealth Scientific and Industrial Research Organisation in Melbourne.

Dr Frederick James Wilkins,* a Director of the Glaxo Group Limited, and the Chairman and Managing Director of Glaxo Laboratories.

Dr Albertine Louise Winner, O.B.E., a Deputy Chief Medical Officer at the Ministry of Health; Honorary Medical Consultant for Women's Services to the Army.

* Died 27 October 1965.

APPENDIX IV

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointment: D. P. M. Morton-Williams, B.SC. (Lecturer), formerly Lecturer in Sociology and Research Fellow, Institute of African Studies, University of Ghana.

Resignation: J. C. Woodburn, B.A., PH.D. (Research Assistant), to Lectureship, London School of Economics.

ARCHITECTURE

Appointments: P. D. Cowan, A.R.I.B.A. (Lecturer), formerly Lecturer (Part-time) in Department.

D. S. Craig, A.M.T.P.I., A.R.I.B.A., A.A.DIPL. (Lecturer), formerly held temporary appointment in Department.

R. G. Hopkinson, B.SC.(ENG.), PH.D., M.I.E.E., F.I.E.S., F.R.P.S. (Haden-Pilkington Professor of Environmental Design and Engineering), formerly Principal Scientific Officer, Building Research Station, Department of Scientific and Industrial Research.

J. Madge, M.A., A.R.I.B.A. (Honorary Research Associate), Chief Consultant to the Political and Economic Planning Research Organisation.

Mrs Lois Ventris, A.A.DIPL., A.R.I.B.A. (Lecturer), formerly held temporary appointment in Department.

COMPARATIVE PHILOLOGY

Resignation: O. J. L. Szemerényi, DR.PHIL. (Professor of Comparative Philology), to Chair of Comparative Philology, University of Freiburg.

ENGLISH LANGUAGE AND LITERATURE

Appointments: R. M. W. Dixon, M.A. (Lecturer), formerly Research Officer in Linguistics, Australian Institute of Aboriginal Studies, Canberra.

Joan Mulholland, M.A. (Research Assistant), formerly held administrative appointment in Department.

Resignations: McD. Emslie, M.A., PH.D. (Lecturer), to Lectureship, University of Edinburgh.

C. H. Peake, M.A. (Lecturer), to Readership in English, Queen Mary College.

M. P. Rhodes, B.A. (Research Assistant), to be Lektor, University of Lund.

J. L. Svartvik, FIL.LIC. (Honorary Lecturer and Assistant Director, Survey of English Usage), to Lectureship, University of Gothenburg.

FINE ARTS

Appointments: Mrs Lisbeth-Anne H. Bawden, B.A. (Assistant).

B. D. Elliott (Part-time Assistant).

Resignation: H. Cohen (Part-time Assistant).

Retirement: R. Nuttall-Smith (Part-time Assistant).

GEOGRAPHY

Appointments: D. R. Harris, M.A., B.LITT., PH.D. (Lecturer), formerly held Lectureship, Queen Mary College.

C. Vita-Finzi, M.A., PH.D. (Lecturer), formerly held Research Fellowship, St John's College, Cambridge.

A. Warren, B.SC. (Lecturer), formerly research student, Department of Geography, Cambridge.

R. P. A. Welldon Finn, M.A. (Research Assistant).

Resignation: H. J. Critchfield, M.A., PH.D. (Honorary Research Associate).

GERMAN

Appointments: W. H. A. Larrett, B.A. (Assistant Lecturer), formerly Lektor in English, University of Cologne.

A. Stillmark, B.A. (Assistant Lecturer).

Resignation: H. D. Sacker, M.A. (Lecturer), to Readership in German, Bedford College.

GREEK

Resignations: R. Browning, M.A. (Reader), to Chair of Classics, Birkbeck College.
Professor D. R. Dicks, PH.D. (Honorary Research Associate).
Professor L. Pearson, M.A., PH.D. (Honorary Research Associate), Stanford University.

HISTORY

Appointments: Mrs José F. Chambers, B.A. (Assistant Lecturer), formerly held research studentship, Newnham College, Cambridge.
A. A. Sinclair, B.A., PH.D. (Lecturer), formerly Fellow of the American Council of Learned Societies.

Resignations: J. Dent, M.A. (Assistant Lecturer), to Lectureship, University of Toronto.
Professor L. Pearson, M.A., PH.D. (see Greek).

ITALIAN

Resignation: J. M. Hatwell, B.A. (Assistant Lecturer), to Lectureship, University of Sheffield.

LATIN

Resignations: R. Browning, M.A. (see Greek).
Professor L. Pearson, M.A., PH.D. (see Greek).

PHILOSOPHY

Appointments: M. F. Burnyeat, B.A. (Assistant Lecturer), formerly postgraduate student in Department.
E. D. R. Honderich, B.A. (Lecturer), from Lectureship, University of Sussex.
Hideko Ishiguro, M.A., B.PHIL. (Lecturer), from Lectureship, University of Leeds.

Resignation: Professor R. J. Fogelin, PH.D. (Honorary Research Associate).

PHONETICS

Resignation: D. C. Bennett, B.A. (Assistant Lecturer), to Postgraduate Fellowship, Yale University.

POLITICAL ECONOMY

Appointments: N. E. Devletoglou, M.A. (Assistant Lecturer), formerly postgraduate student, London School of Economics.
A. G. Hines, B.SC.(ECON.) (Lecturer), formerly held Assistant Lectureship, University of Bristol.
A. M. B. Mansour, M.SC.(ECON.) (Research Assistant), formerly Research Assistant, London School of Economics.
Mrs Margaret E. Paul, B.PHIL., M.A. (Lecturer), formerly held part-time Lectureship, St Hilda's College, Oxford.
P. Ray, M.SC.(ECON.), M.A. (Assistant Lecturer), formerly Research Assistant, University of Oxford.

Resignation: A. B. Cramp, B.A., PH.D. (Lecturer), to Senior Lectureship, University of Lancaster.

SCANDINAVIAN STUDIES

Appointment: M. P. Barnes, B.A. (Assistant Lecturer), formerly held Norwegian State Scholarship, University of Oslo.

Resignation: S. A. Bergmann, FIL.LIC. (Crown Princess Louise Lecturer in Swedish), to teaching appointment in Sweden.

SPANISH

Appointments: J. S. Cummins, PH.D. (Senior Lecturer and Head of Department), from Lectureship, King's College, London.
D. R. Harris, M.A. (Assistant Lecturer), formerly held research studentship, University of Hull.

TOWN PLANNING

Appointment: M. P. Collins, B.A., A.M.T.P.I. (Lecturer), formerly Assistant Group Planning Officer, Communications Section, London County Council.

FACULTY OF LAWS

Appointments: R. H. F. Austin, B.A., LL.M. (Lecturer), from industry.
G. de N. Clark, B.A., LL.B. (Lecturer), from private practice.
H. Cohen, LL.B. (Lecturer), from Part-time Lectureship, Holborn College of Law, Languages and Commerce.
P. English, LL.M. (Lecturer) joint appointment with the Police College, Bramshill, formerly held Ford Foundation Fellowship in Criminal Law, Northwestern University, Illinois.
R. W. Rideout, LL.B., PH.D. (Senior Lecturer), formerly held Lectureship, University of Bristol.
Professor G. O. Sayles, M.A., D.LITT., LITT.D., F.B.A. (Honorary Research Associate), formerly at University of Aberdeen.
J. A. C. Thomas, M.A., LL.B. (Professor of Roman Law), formerly Douglas Professor of Civil Law, University of Glasgow.

Resignation: R. W. Harding, LL.M. (Lecturer), to Senior Lectureship, University of Western Australia.

FACULTY OF SCIENCE

ASTRONOMY

Appointments: M. Kowalski (Assistant).
W. B. Somerville, PH.D. (Lecturer), formerly Research Assistant in Department of Physics.

BOTANY

Appointments: P. Dunnill, PH.D. (Lecturer), from the Davy Faraday Research Laboratory at the Royal Institution.

A. W. Robards, B.SC. (Quain Student in Biology), formerly postgraduate student in Department.

Resignations: Professor G. A. Leisman, M.S., PH.D. (Honorary Research Associate), Kansas State Teachers College.

Mrs Monica F. White, M.SC., PH.D. (Lecturer), to be Honorary Research Associate.

Death: Professor W. H. Pearsall, D.SC., F.R.S. (Honorary Research Associate).

CHEMISTRY

Appointment: Professor G. L. Zimmerman, PH.D. (Honorary Research Associate), Bryn Mawr College, Pennsylvania State University.

Resignation: Professor Y. Ishii (Honorary Research Associate), Nagoya University, Japan.

EUGENICS, BIOMETRY, AND GENETICS

Retirements: Julia Bell, M.A., F.R.C.P. (Honorary Research Associate).

Professor L. S. Penrose, M.A., M.D., D.SC., F.R.C.P., F.R.S. (Galton Professor of Human Genetics).

GEOLOGY

Appointments: G. P. Jones, M.SC. (Lecturer), formerly Senior Geologist, Geological Survey of Great Britain.

P. G. Llewellyn, PH.D. (Lecturer), from the Royal Dutch/Shell Group.

S. A. F. Murrell, M.A., PH.D. (Lecturer), formerly held Lectureship, University of Sheffield.

HISTORY AND PHILOSOPHY OF SCIENCE

Retirement: N. H. de V. Heathcote, B.SC., PH.D. (Special Lecturer).

MATHEMATICS

Appointments: Susan N. Brown, B.A. (Lecturer), formerly held Lectureship, University of Newcastle.

H. L. Davies, B.SC., M.A. (Lecturer), formerly held temporary appointment in Department.

Professor L. S. Goddard, PH.D. (Honorary Research Associate), University of Tasmania.

K. Stewartson, PH.D., M.A., F.R.S. (Goldsmid Professor of Mathematics), formerly Professor of Applied Mathematics, University of Durham.

PHYSICS

Appointments: A. Boksenberg, PH.D. (Lecturer), formerly held honorary appointment in Department.

A. Donnachie, PH.D. (Lecturer), formerly Temporary Research Assistant in Department.

M. J. Esten, B.SC. (Lecturer), formerly held honorary appointment in Department.

D. G. Hummer, M.SC., PH.D. (Lecturer), from Research Staff, Joint Institute for Laboratory Astrophysics, Boulder, Colorado.
G. J. Lush, PH.D. (Lecturer), formerly Temporary Research Assistant in Department.
Professor F. Oppenheimer, PH.D. (Honorary Research Associate).

Resignations: D. W. O. Heddle, PH.D. (Reader), to Readership, University of York.
M. O. Robins, M.A., F.INST.P. (Honorary Research Associate), Science Research Council.

Retirement: R. E. Gibbs, D.SC., F.INST.P. (Reader).

STATISTICS

Appointment: D. Walley, B.SC. (Lecturer), formerly Temporary Lecturer in Department.

ZOOLOGY AND COMPARATIVE ANATOMY

Appointment: Professor W. Landauer, DR.PHIL.NAT. (Honorary Research Associate), formerly at University of Connecticut.

Resignations: L. Brent, PH.D. (Honorary Research Associate), University of Southampton.
Sir Peter Medawar, C.B.E., M.A., D.SC., SC.D., D. DE L'UNIV., F.R.S. (Honorary Research Associate), National Institute for Medical Research.
Professor D. R. Newth, PH.D. (Honorary Research Associate), University of Glasgow.
J. Maynard Smith, B.A., B.SC. (Reader), to be Professor of Biology and Dean of the School of Biological Studies, University of Sussex.
Professor D. M. S. Watson, D.SC., LL.D., F.R.S. (Honorary Research Associate).

FACULTY OF ENGINEERING

CIVIL AND MUNICIPAL ENGINEERING

Appointment: A. C. Walker, A.R.C.S.T., M.SC., PH.D. (Lecturer), formerly held Research appointment, Royal College of Science and Technology, Glasgow.

Resignation: C. J. Turkstra, M.SC., PH.D., A.M.A.S.C.E. (Lecturer), to Lectureship, McGill University.

MECHANICAL ENGINEERING

Appointments: B. L. Davies, (Assistant), formerly Departmental Assistant (Technical) in Department.
Sir Arnold Lindley, C.G.I.A., M.I.MECH.E. (Honorary Research Associate), Chairman of the Engineering Industrial Training Board.

Resignation: S. Mahalingham, B.SC.(ENG.), PH.D., A.M.I.MECH.E. (Honorary Research Associate).

ELECTRICAL ENGINEERING

Appointments: R. S. Cole, B.SC. (Lecturer), formerly held Lectureship at the Northern Polytechnic.

W. P. Wilson, C.B.E., B.SC.(ENG.), F.C.G.I., M.I.E.E. (Honorary Research Associate), formerly Head of B.B.C. Research Station, Kingswood Warren, Surrey.

Resignation: B. R. Wilkins, B.SC.(ENG.) (Research Assistant), to Lectureship, University of Southampton.

CHEMICAL ENGINEERING

Appointments: C. Morris, B.SC.(ENG.), PH.D., A.M.I.CHEM.E. (Lecturer), from industry.

C. G. Sinclair, M.SC., PH.D., A.M.I.CHEM.E. (Honorary Research Associate), Senior Lecturer, Department of Chemical Engineering, Monash University, Australia.

J. G. Yates, PH.D., D.I.C. (Lecturer), from industry.

Retirement: M. B. Donald, M.SC., F.R.I.C., HON.M.I.CHEM.E., A.R.C.S. (Ramsay Memorial Professor of Chemical Engineering).

PHOTOGRAMMETRY AND SURVEYING

Retirement: A. C. Jenner, A.R.I.C.S. (Assistant).

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: Ann M. C. Burgess, B.SC. (Research Assistant), from Sir John Cass College.

B. G. Cragg, M.A., PH.D. (Assistant Director, Medical Research Council Cerebral Functions Research Group), formerly held honorary appointment in Department.

J. L. de C. Downer, M.SC., PH.D. (Director, Medical Research Council Cerebral Functions Research Group), formerly held honorary appointment in Department.

R. W. Howes, B.SC. (Research Assistant, Medical Research Council Cerebral Functions Research Group), from Institute of Cancer Research.

D. G. Jones, B.SC., M.B., B.S. (Assistant Lecturer), from University College Hospital Medical School.

A. A. Lester, L.R.C.P.E., L.R.C.S.E. (Assistant Lecturer), formerly Senior Accident and Emergency Officer, King's College Hospital, London.

A. R. Lieberman, B.SC. (Assistant Lecturer), formerly postgraduate student in Department.

M. E. Wilson, M.B., CH.B. (Lecturer, Medical Research Council Cerebral Functions Research Group), from Assistant Lectureship, University of Edinburgh.

Resignations: F. S. Goldby, M.B., B.CHIR. (Assistant Lecturer), to clinical work.

D. G. Gwyn, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), to be Junior Resident Anaesthetist, University College Hospital.

Mrs Anne M. L. Powell-Evans, B.SC., PH.D. (Research Assistant).

J. F. Taylor, M.B., CH.B. (Assistant Lecturer), to appointment at St Richard's Hospital, Chichester.

Death: R. J. Ludford, PH.D., D.SC. (Honorary Lecturer in Cytology).

BIOCHEMISTRY

Appointment: R. S. Eisenthal, PH.D. (Research Assistant), formerly Senior Research Associate, School of Chemical Sciences, University of East Anglia.

Resignations: K. Brocklehurst, PH.D. (Research Assistant), to Junior Lectureship, St Bartholomew's Hospital Medical College.
R. Virden, M.SC. (Research Assistant), to Lectureship, University of Newcastle.

Retirements: L. Margaret Kerly, M.A., PH.D. (Reader), to be Honorary Research Associate.
Kathleen Law, M.SC., PH.D. (Lecturer).

BIOPHYSICS

Appointment: Professor M. Maizels, M.D., B.S., F.R.C.P., M.R.C.S., F.R.S. (Honorary Research Associate), formerly of University College Hospital Medical School.

PHARMACOLOGY

Appointments: D. Colquhoun, PH.D. (Research Assistant), formerly held Assistant Lectureship, University of Edinburgh.
M. Maureen Dale, B.SC., M.B., B.CH. (Lecturer), from Lectureship, University of Natal.

Death: Sir John Gaddum, M.A., SC.D., LL.D., F.R.S. (Honorary Lecturer).

PHYSIOLOGY

Appointments: Professor E. J. Denton, PH.D., SC.D., F.R.S. (Honorary Lecturer), Royal Society Research Professor at University of Bristol, and Physiologist at the Laboratory of the Marine Biological Association, Plymouth.
B. R. Jewell, M.B., B.S., PH.D. (Lecturer), formerly held honorary appointment in Department.
W. H. Oldendorf, M.D. (Honorary Research Associate), Assistant Chief, Neurology Department, U.S. Veterans Administration Centre, Los Angeles.

Resignations: P. E. Hallett, B.SC., M.A., B.M., B.CH. (Assistant Lecturer), to appointment at University of Alberta.
W. Lathem, M.D. (Honorary Research Associate).
M. Schachter, M.SC., M.D., C.M. (Reader), to Chair of Physiology, University of Alberta.

MEDICAL SCIENCES

Appointment: A. R. Williams, F.P.S. (Honorary Consultant Pharmacist), Chief Pharmacist, University College Hospital.

Resignation: T. D. Whittet, B.SC., PH.D., F.P.S., F.R.I.C., D.B.A. (Honorary Consultant Pharmacist), to be Deputy Chief Pharmacist, Ministry of Health.

APPENDIX V

PUBLIC LECTURES

ENDOWED LECTURES

BARLOW LECTURES ON DANTE

Professor E. H. Gombrich, Warburg Institute: 'Dante and Giotto' (three lectures)

CHAMBERS MEMORIAL LECTURE

Professor George Kane, Royal Holloway College: 'The Autobiographical Fallacy in Chaucer and Langland Studies'

COMMONWEALTH FUND LECTURES

Professor Bradford Perkins, Michigan: 'The Great Rapprochement: England and the United States, 1895–1914' (four lectures)

DOROTHEA COKE MEMORIAL LECTURE IN NORTHERN STUDIES

Professor Sven B. F. Jansson, Royal Academy, Stockholm: 'Viking Attacks on England: the Evidence of Swedish Rune Stones'

RICKMAN GODLEE LECTURE

Professor P. M. S. Blackett, Imperial College of Science and Technology: 'Britain and India's Development Plans'

LORD NORTHCLIFFE LECTURES IN LITERATURE

Dr D. G. James, Southampton: 'The Dream of Prospero' (four lectures)

INAUGURAL LECTURES

Professor T. Barnard, Professor of Micropalaeontology: 'Micropalaeontology: Past, Present, and Future'

Professor J. Brown, Professor of Electrical Engineering: 'Co-operation in Engineering Education'

Professor P. G. Foote, Professor of Old Scandinavian: 'The Saga of the Faroe Islanders'

Professor L. Fowden, Professor of Plant Chemistry: 'The Chemical Approach to Plants'

Professor C. A. B. Smith, Weldon Professor of Biometry: 'Life, Form, and Number'

Professor S. Stein, Professor of Hebrew: 'Jewish-Christian Disputations in Thirteenth Century Narbonne'

Professor K. Stewartson, Goldsmid Professor of Mathematics: 'The Boundary Layer'

Professor Richard Wollheim, Grote Professor of Philosophy of Mind and Logic: 'On Drawing an Object'

LUNCH-HOUR LECTURES

Dr Isobel M. Armstrong: 'Some Recent American Poetry'

Dr J. H. Bird: 'Australia: Coast, Mountain, and Back Country'

Mr I. R. Christie: 'The Stamp Act—An Imperial blunder of 200 years ago'
Mr G. A. Cohen: 'Man, Hegel and Marx'
Mr P. D. Cowan: 'On the Pattern of Buildings'
Dr M. Mary Douglas: 'The Magical World View'
Professor L. D. Ettlinger: 'J. L. David—Painter, Moralist and Politician'
Professor H. Grüneberg: 'Genetical Research in an Area of High Natural Radioactivity in South India'
Mr J. M. Hatwell: 'Mistress Quickly and the Disappointed Man: the English Debt to Boccaccio and Petrarch'
Dr W. J. D. Jones: 'Growing Whiskers—the Development of High Strength Materials'
Mr L. B. Keeble: 'The Future of London'
Professor G. W. Keeton: 'The Judicial Career of Judge Jeffreys'
Mr J. H. Kells: 'The Beginnings of Advocacy in Greece'
Dr K. G. Knight: 'Aspects of the Seventeenth Century German Novel'
Dr I. M. Lewis: 'The Pastoral Poets of Somaliland'
Dr Ursula Mittwoch: 'Sex Chromosomes and Sex Chromatin'
Dr P. J. Newbould: 'The International Biological Programme'
Mr H. M. Nixon: 'The Golden Age of English Bookbinding'
Professor L. S. Penrose: 'From Eugenics to Human Genetics'
Professor Randolph Quirk: 'English Becomes Us'
Dr H. J. Ralston: 'National Parks of the Western United States'
Mr T. F. Reddaway: 'Money in the Tower of London, 1340–1542'
Dr R. W. Rideout: 'The Legal Suppression of Trade Unions'
Mr D. J. Robinson: 'A Visit to Venezuela's El Dorado'
Mr K. S. Sandhu: 'Communalism: the Primary Threat to Malaysian Unity'
Dr Colin Smith: 'Words, Words, Words . . . Sartre, Thinker or Humbug?'
Professor E. H. Thompson: 'What is Photogrammetry?'
Mr H. Tout: 'How should Nationalised Industries behave?'
Professor E. G. Turner: 'Menander's Heroines'
Dr K. Vickerman: 'Developing Africa: the Biologist's Dilemma'
Dr C. V. Wedgwood: 'Journalism in the English Civil War'
Mr D. M. Wilson: 'The Art of The Vikings'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

BIOCHEMISTRY

Dr J. B. Chappell, Bristol: 'Mitochondria—Permeability and Function' (three lectures)
Dr Benno Hess, Universität Ruperto Carola, Heidelberg: 'Metabolic Control Mechanisms' (two lectures)
Dr Joseph Katz, Cedars-Sinai Medical Center, Los Angeles: 'Pathways of Glucose Metabolism' (two lectures)
Dr P. N. Magee, Medical Research Council Toxicology Research Unit, Carshalton: 'The Biochemical Pathology of Intracellular Alkylation Reactions' (two lectures)

LAWS

Mr Morris Ernst, of the New York Bar: 'Some Aspects of American Law and Practice'

Mr R. Duncan Fairn, Home Office: 'The Paradox of Criminal Detention'

Dr F. G. Marx, Institut Français du Royaume-Uni: 'Recent Developments in the French Law of Labour Relations'

Professor L. A. Sheridan, Queen's University of Belfast: 'Repatriation of the Common Law'

PHARMACOLOGY

Professor W. S. Feldberg: 'A New Concept of Temperature Regulation in the Hypothalamus'

PHYSIOLOGY

Professor C. Pelligrino, Messina: 'Ultrastructural and Biochemical Studies on Experimental Atrophies of Skeletal Muscle'

APPENDIX VI

NUMBERS OF STUDENTS, SESSION 1964–65

	Under-graduates	*Post-graduates*	*Totals*
Faculty of Arts	921 (269)	308 (89)	1,229 (358)
Department of Political Economy ..	142 (3)	9 (2)	151 (5)
Slade School of Fine Art	197 (6)	24 (1)	221 (7)
Bartlett School of Architecture ..	75 (—)	21 (1)	96 (1)
Department of Town Planning ..	46 (46)	135 (92)	181 (138)
School of Librarianship and Archives	— (—)	55 (10)	55 (10)
	1,381 (324)	552 (195)	1,933 (519)
Faculty of Science	793 (4)	443 (72)	1,236 (76)
Faculty of Medical Sciences	251 (20)	9* (—)	260 (20)
Faculty of Engineering	326 (—)	155 (12)	481 (12)
Faculty of Laws	299 (27)	145 (51)	444 (78)
	3,050 (375)	1,304†(330)	4,354 (705)

* This figure excludes 70 full-time and 5 part-time postgraduate students working in the College Faculty of Medical Sciences who were registered in the University Faculty of Science.

† Of this number 974 were registered for higher degrees of the University of London; the remainder were working for higher diplomas of the University or of the College or higher degrees of other universities, engaged in research work, or attending postgraduate lecture courses.

The figures in brackets indicate the number of part-time students included in the total under each head.

APPENDIX VII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1964–65

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	321	172	493
Home Counties (30 miles radius)	743	272	1,015
Remainder of United Kingdom	1,651	363	2,014
BRITISH COMMONWEALTH OF NATIONS			
Australia	8	20	28
Canada	6	42	48
Ceylon	5	12	17
Ghana	7	11	18
Hong Kong	7	5	12
India	6	57	63
Malaya	10	1	11
Nigeria	27	37	64
Pakistan	5	36	41
Singapore	6	8	14
21 other countries	28	33	61
OTHER PARTS OF THE WORLD			
Egypt	3	31	34
France	56	1	57
Germany	22	9	31
Greece	4	9	13
Iran	4	12	16
Iraq	3	9	12
Japan	5	5	10
South Africa	7	10	17
Spain	10	3	13
Turkey	1	9	10
U.S.A.	49	48	97
Yugoslavia	3	10	13
46 other countries	53	79	132
	3,050	1,304	4,354

SUMMARY

United Kingdom	3,522
British Commonwealth of Nations	377
Other Parts of the World	455
	4,354

APPENDIX VIII

ADMISSION OF FIRST DEGREE AND FIRST DIPLOMA STUDENTS

SESSION 1964–65

	Students Admitted October 1964
FACULTY OF ARTS	
B.A. Honours	
Anthropology (see also Faculty of Science)	11
English	34
French	30
Geography (see also Faculty of Science)	28
German	20
Greek and Latin	16
Hebrew	6
History	40
Italian	6
Philosophy	23
Psychology (see also Faculty of Science)	10
Scandinavian Languages	7
	231
B.Sc.(Econ.)	56
University Diploma in Fine Art	65
B.A. Honours in Architecture	5
FACULTY OF SCIENCE	
B.Sc.(Special)	
Anthropology (see also Faculty of Arts)	1
Astronomy	4
Biochemistry	19
Botany	8
Chemistry	59
Geography (see also Faculty of Arts)	21
Geology	10
Mathematics	36
Microbiology	10
Physics	58
Physiology	11
Psychology (see also Faculty of Arts)	20
Statistics	17
Zoology	13
	287
B.Sc.(Architecture) with Honours	26

	Students Admitted October 1964
FACULTY OF LAWS	
LL.B.	108
FACULTY OF ENGINEERING	
B.Sc.(Eng.)	
Civil & Municipal Engineering	28
Electrical Engineering	36
Mechanical Engineering	29
B.Sc.(Engineering) Degree in Chemical Engineering	33
	126
FACULTY OF MEDICAL SCIENCES	
2nd Examination for Medical Degrees	84
2nd Examination for Dental Degrees	45
	129
Totals	1,033

APPENDIX IX

HIGHER DEGREES AND HIGHER DIPLOMAS

FACULTY OF ARTS

D.Lit. *English:* A. Brown, R. Quirk. [2]

Ph.D. *Anthropology:* C. J. Jolly. *Archaeology:* R. S. Merrillees. *English:* C. P. A. Ball Stadt, E. W. Domvilled, G. D. Killam, E. H. King, Muriel J. Mellown, †D. I. Nwoga, J. A. Steele. *French:* †‡A. D. Wilshere. *Geography:* J. H. Galloway, L. de Vorsey. *German:* ‡J. M. Ellis. *Greek:* S. A. Sofroniou. *History:* J. Dent, Nancy M. Farriss. *Psychology:* D. J. Smail, Keralapur S. Vinoda, E. B. Wiltshire. [19]

M.A. *Anthropology:* *J. D. McKnight, *M. W. Young. *Classics:* C. J. McDonough. *English:* N. L. Fairclough, †Patricia A. Pinsent, Faith M. B. Pullin, G. J. Thurley, Jennifer A. Wade. *French:* F. Corless. *General Linguistics and Phonetics:* D. C. Bennett, H. B. Lee, H. J. Warkentyne. *Geography:* D. A. E. Gilbert, †T. R. McGlynn. *History:* Constance M. Storrs. *Philosophy:* Rosalind Perry. *Town Planning:* Margaret M. Bain, Susan M. Barrett, R. M. Deans, C. J. Glaister, T. S. M. Jones, Gertrude C. Lever, P. A. Lund, M. P. B. Morgan, P. S. Norman, Sally M. Senior, J. D. Sykes, Kirstine B. Williams, G. H. Wilson. [29]

University Postgraduate Diplomas: Archaeology, 1; Archive Administration, 5; Librarianship, 20; Phonetics, 1; Psychology, 7; Town Planning, 30. [64]

FACULTY OF ECONOMICS

Ph.D. J. F. Pickering. [1]

M.Sc. B. N. A. Iweajunwa, G. Robson, J. Simpson, Laurie S. Wiseberg, P. E. Stonham. [5]

FACULTY OF LAWS

Ph.D. A. K. Basu. [1]

LL.M. M. L. Ahmad, O. Aina, A. R. Akhtar, M. Arif, H. S. Brar, P. B. N. Flemming, R. P. Francis, S. V. Kagi, *Jennifer Levin, J. P. S. McLaren, Rajkumari C. Nichani, C. S. Ola, J. O'Neill, ‡A. A. Otuma, ‡D. K. Poku-Amanfo, S. M. H. Shubber, E. F. I. Smith, ‡N. D. Tejan-Cole, E. N. Uzodike. [19]

University Postgraduate Diploma in Law, 8. [8]

FACULTY OF SCIENCE

D.Sc. *Chemistry:* J. H. Ridd. [1]

Ph.D. *Anatomy:* Madge L. Greenfield. *Biochemistry:* W. J. Brammar, J. B. Clark, G. A. Ellard, Joy E. L. Spruyt, B. R. Unsworth. *Biophysics:* R. Eisenberg. *Botany:* D. P. Kelly, B. Lee, D. H. Morgan, Edith L. Perry, G. F. Peterken, P. J. Peterson. *Chemical Engineering:* M. J. Harte. *Chemistry:* C. D. Akon, M. W. Austin, M. R. Bridge, N. Capon, J. C. Coppola, F. Creutzberg, E. C. R. de Fabrizio, A. M. Dunlop,

* Awarded a mark of distinction. † Also registered at another Institution. ‡ External student.

Karimat H. M. El-Sayed, G. J. Erskine, M. C. Ganorkar, R. D. Gordon, I. F. Graham, J. Gregory, M. Hancock, Jennifer M. Hanson, A. S. Kasenally, J. A. Keiner, A. J. Lawrence, J. S. Lomas, D. G. Morris, A. G. Osborne, M. R. Philpott, E. A. Qureshi, A. F. Richards, C. F. Stoneman, J. A. Thomas, K. Vrieze. *Geography:* D. Q. Bowen. *Geology:* J. D. Bennett, S. M. A. El-Rabar, I. Haugh, Marjorie D. Muir. *Mathematics:* A. P. Bakshi, Margaret E. Baron, J. M. Kennedy, A. G. Parkinson. *Physics:* W. Busza, F. R. Connor, M. J. Esten, D. A. Garbutt, Katherine B. Gebbie, J. F. Hague, P. Hammerling, J. W. Humberston, W. L. Knight, C. N. Lashmore-Davies, A. T. Lea, D. H. Lyth, D. J. Miller, A. S. L. Parsons, J. T. Scott, M. A. Shah, E. W. Thomas, G. M. G. Youssef. *Physiology:* C. B. Ferry, J. Morley, N. R. Saunders. *Psychology:* A. G. S. Dask, K. G. Oatley, K. T. Strongman. *Statistics:* A. G. Hawkes. *Zoology:* Marion J. Lamb, J. B. Messenger. [78]

M.Sc. *Anthropology:* J. E. Lavers. *Biochemistry:* J. P. Baker, P. F. Benson, P. J. Bryant, C. A. Gonzalez, Tatyana Katkov, H. N. Magnani, R. J. Naftalin, M. J. Tarlow. *Chemical Engineering:* T. K. N. Naidya. *Chemistry:* J. W. Harris. *Electrical Engineering:* P. J. Bryant. *Genetics:* Narziha A. Farman. *Geology:* S. V. Bell, J. E. Guest, S. J. Mills, A. M. Najdi, A. J. Williams. *History & Philosophy of Science:* J. K. Crellin, A. Finer, E. G. Forbes, Gertrude W. Gallagher, H. C. Grant, Constance E. Hornby, R. Keen, E. McDonald, F. C. Storrs. *Mathematics:* *K. Thanigasalam. *Pharmacology:* A. S. F. Ash. *Physiology:* Zenaida G. Bagabaldo, L. O. Escobar, Mary J. Keenan. [32]

University Postgraduate Diploma in Statistics, 5. [5]

College Postgraduate Diplomas: Conservation, 7; Micropalaeontology, 2; Space Science, 3. [12]

FACULTY OF ENGINEERING

Ph.D. *Chemical:* T. P. Cook, T. R. Helcke, E. Kirschner, I. H. Newson, L. R. P. Reavill, M. Rendell. *Electrical:* R. W. Breithaupt, P. Lavallée. *Mechanical:* R. P. Brann, B. R. Clayton, R. M. Davies. [11]

M.Sc. *Electrical:* Y. Karahan, K. Mehmet, K. T. Park, S. C. Thong. *Mechanical:* A-K. B. Kallash. [5]

College Postgraduate Diplomas: Biochemical Engineering, 5; Chemical Engineering, 4; Microwave Engineering, 5; Photogrammetry, 4; Surveying, 2. [20]

FACULTY OF MEDICINE

Ph.D. *Anatomy:* †E. C. B. Hall-Craggs. *Biochemistry:* D. Gompertz. [2]

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anatomy: S. M. Zeki. *Social Anthropology:* Suzanne A. Campbell-Jones. *Chemistry:* P. D. Dacre, C. G. Hull. *English:* D. H. F. Smith, Celia J. Watkin. *French:* Denise E. M. N. Muller. *Geography:* H. D. Foster, Carolyn M. Gittins. *German:* Caroline M. Cooper. *Philosophy:* A. Loizou. *Physics:* H. Osborn. *Physiology:* B. Lynn.

* Awarded a mark of distinction. † Also registered at another Institution.

UNIVERSITY FINALS STUDENTSHIPS

Chemistry: R. J. Puddephatt. *Economics:* K. A. King. *Engineering:* (William Lincoln Shelley Scholarship): M. J. Cutland. *English:* Patricia J. Fairclough, P. L. Warnett. *Fine Art:* Jennifer A. Durrant. *Geography:* P. J. Jarvis, D. J. Unwin.

APPENDIX X

COLLEGE AWARDS TO STUDENTS

Anatomy Class Prizes.—Medical: P. L. Tresman. *Dental:* A. H. Schwartz.

Babcock & Wilcox Medal & Prize (Mechanical Engineering).—A. M. Davies.

Sir Banister Fletcher Prize & Medal (Architecture).—P. B. Carolin.

Herbert Batsford Prize (Architecture).—J. M. Copley.

Thomas Witherden Batt Scholarships (Science).—R. A. Field, R. Rosner.

Leonard Bayliss Memorial Prize (Physiology).—Patricia J. Bromley and V. A. Tennant, prize equally divided.

Francis Perch Bedford Prize (Zoology).—J. Cooke.

Bonney Prize (Geology).—R. Stabbins.

Broderick-Parry Prize (Geography).—D. J. Unwin.

'The Builder' Prize (Architecture) (December 1964 award).—J. C. Harbord.

Bunnell-Lewis Prize for Latin Verse.—P. A. Woodhead.

Carey Foster Research Prize (Physics).—R. G. Keesing.

The Chadwick Medal & Prize (Civil Engineering).—K. A. Farrer.

Churchill-Jenkinson Prize (Archive Administration).—C. R. Davey.

Antonio Cippico Medal & Prize (Italian).—Margaret A. Banks.

Clinton Prize (Electrical Engineering).—A. H. Cribbens.

Cluff Memorial Prize (Medical).—A. Reuben.

Cowley Prizes.—Librarianship—Susan M. Green and Olwen J. Bam. *Archive Administration.*—Patricia H. Allderidge, Margaret Evans, prize equally divided.

Derby Scholarship (Zoology).—N. J. Strausfeld.

Donaldson Medal (Architecture).—J. Leach.

Early English Text Society's Prize.—L. A. Dunkling.

Esso Postgraduate Studentship in Chemical Engineering.—R. J. Keeling.

Richard FitzGerald Prize (Laws).—M. L. Kallipetis.

Foreign Student Scholarship in Arts.—S. Østerud.

Foyle Prize (Latin).—P. A. Woodhead.

Stephen Glanville Memorial Scholarship (Egyptology).—Anne Millard.

Violet Hall Prize (French).—Gillian M. Dyson.

Archibald P. Head Memorial Medal & Prize (Mechanical Engineering).—D. Hoadley.

Heimann Medal (*German*).—Susan Dinsdale.

T. G. Hill Scholarship (*Botany*).—R. Marchant.

Elsie Hitchcock Prize (*English*).—Margaret A. Marshment.

Hollier Scholarships in Greek.—Juliet S. M. Maguinness, S. Østerud.

R. B. Hounsfield Prize in Traffic Engineering.—J. I. Fowler.

R. B. Hounsfield Prize in Town Planning and Civic Engineering.—G. B. Parker.

Joseph Hume Scholarship in Jurisprudence.—L. L. Proksch.

Hurst Prize in English Law.—S. R. Silber.

Jolowicz Prize (*Roman Law*).—Helen H. B. Galas.

Ker Memorial Prize (*English*).—A. J. Tipping.

Leverhulme Studentship in Chemical Engineering.—A. K. Sharp.

Sir John MacAlister Medal (*Librarianship*).—Heather A. Parravani.

Malden Scholarship (*Greek*).—D. P. Stanley-Porter.

Sir William Meyer Prize (*Geography*).—K. A. King.

Sir William Meyer Essay Prize (*Geography*).—H. S. A. Fox.

Sir William Meyer Prize (*History*).—G. E. Bullock.

Sir William Meyer Travelling Studentships (*History*).—Janet M. Crabtree, Penelope J. Davis, K. A. Hillier, and Catherine E. Hookey.

Momber Scholarship in Science.—C. Mortimer.

Rosa Morison Postgraduate Scholarship in Arts.—Gloria R. Cigman.

Rosa Morison Scholarship in English Language and Literature.—Glenda Leeming.

Morley Medal (*Modern English Literature*).—I. M. Marks.

Morris Prize (*Geology*).—Nalini I. Peiris.

Melvill Nettleship Prize for Figure Composition.—R. M. Armitage.

Catherine Maude Pearce Scholarships (1964 award).—Adrienne F. Benest and Ruth M. Williams.

Perren Studentship (*Astronomy*) (one term).—Carole Jordan.

Physiology Class Prizes.—*Medical:* A. Reuben. *Dental:* Jacqueline B. W. Mann.

Platt Prizes (*Greek*).—P. M. Ward, P. A. Woodhead.

Ramsay Memorial Medal (*Chemistry*).—A. J. Bloodworth.

Mary Rischgitz Prize (*Fine Art*).—Jennifer A. Durrant.

Graham Robertson Travelling Scholarships (*Fine Art*).—D. J. Carr, Ann B. Derham, Margaret M. McIntyre, and M. Ross-White.

Robert Ross Scholarship in Fine Art.—P. G. White.

Schafer Prize in Physiology.—M. Schachter.

Sharpey Physiological Scholarship.—Lynn J. Bindman.

Slade Prizes (*Fine Art*).—B. Atkinson, Gillian P. Barlow, M. C. Challenger, Caroline R. Foley, B. Llewellyn Jones, P. J. J. Simpson.

Slade Scholarship (*Fine Art*).—Dorothee Zippel.

Steer Prize (*Fine Art*).—T. R. Ibbott.

Stevenson Prize (*Applied Mathematics*).—J. Cohen and Susan J. Poate, prize equally divided.

Suckling Memorial Prize (*Practical Anatomy*).—C. H. Rodeck.

Sir Andrew Taylor Prize in Architecture.—C. R. Spence.

Henry Tonks Prize (Fine Art).—M. E. Knowles.

Tuffnell Scholarship (Chemistry).—R. J. Puddephatt.

L. F. Vernon-Harcourt Prize (Civil Engineering).—M. S. Rolls.

The Audrey Wykeham Prize (Fine Art).—D. J. Carr.

FACULTY MEDALS AND PRIZES

Arts: Rosa Morison Medals and Prizes.—M. W. Eysenck, P. J. Jarvis.

Laws: Andrews Medal and Prize.—J. H. Baker.

Science: Medal and Prize.—E. D. Saggerson.

Engineering: Goldsmid Medal and Prize.—A. M. Lugg.

SESSIONAL PRIZES

Anthropology: Rosa Morison Prize.—R. H. Layton.

Architecture: Bartlett Prizes.—(1) M. T. Brooks and C. J. Pound, prize equally divided. (2) Judith A. E. Hudson.

English: Campbell Clarke Scholarships.—(1) C. J. E. Jefferies. (2) M. C. Pavey. *West Scholarship.*—Margaret A. Marshment.

French: Rosa Morison Prizes.—(1) D. C. Cox. (2) Philippa R. Freshman. (3) Elizabeth F. G. Tootill.

Geography: College Prize.—Janet M. Howard. *Maconochie Prize.*—R. N. Millman. 1903 *Prize.*—M. R. H. Jones.

German: Robertson Prize.—R. B. Simpson.

Willoughby Prize.—Susan Dinsdale.

Greek: Long Prize (divided).—J. A. Butterworth (£20), L. A. McSweeney (£10).

History: Dolley Prize.—Barbara Charlesworth and J. Weeks, prize equally divided. *Pollard Prize.*—Vivien R. Brook. *West Scholarship.*—Ann M. Kennedy.

Italian: Sir Anthony Panizzi Prize.—Rosemary J. Metzner.

Latin: Key Prize (divided).—J. A. Butterworth (£20), L. A. McSweeney (£10).

Philosophy: Dawes Hicks Scholarships.—(1) G. E. Lock. (2) Jane M. Howarth and Victoria Lal, prize equally divided.

Political Economy: Hume-Lloyd Scholarship.—A. Roberts.

Scandinavian Studies: Rosa Morison Prize.—Karin R. Petherick.

Laws: Andrews Prizes.—(1) M. R. Freedland. (2) J. R. B. Small. (3) D. M. Welch. (4) Gillian S. Hepworth. (5) Helen H. B. Galas.

Biochemistry: Jack Drummond Prize.—L. A. Grivell. *Plimmer Prize.*—G. D. Buckingham.

Chemistry: C. K. Ingold Prizes.—(1) F. L. Pearce. (2) A. V. Stokes. (3) R. E. Townsend.

Geology: Chubb Prize.—A. B. Watts.

Mathematics: Filon Prize.—J. Cohen and J. A. Dardis, prize equally divided. *Hill Prize.*—L. G. Ferry. *Jeffery Prize.*—A. W. Odell.

Physics: William Bragg Prize.—D. N. Tovee. *Oliver Lodge Prize.*—F. B. Dunning. *Wood Prize.*—D. T. Miller.

Physiology: Foster Prize.—Mary E. Abrahams and Helen C. B. Lack, prize equally divided. *Sanderson Prize.*—Mary E. Phillips.

Psychology: McDougall Prize.—Rosemary A. Gedge. *Spearman Prize.*—P. C. Humphreys.

Statistics: Egon Pearson Prize.—D. N. E. Lyons. *Karl Pearson Prize.*—G. W. Wright.

Zoology: (1) Brenda Page. (2) Catherine A. Stanley.

Chemical Engineering: Goldsmid Prizes.—(1) A. M. Jones. (2) M. A. Peck.

Electrical Engineering: Goldsmid Prizes.—(1) J. M. Smith. (2) C. J. Wakeman.

Mechanical Engineering: Goldsmid Prizes.—(1) P. H. Neller. (2) M. Pourghadiri.

APPENDIX XI

FIRST DEGREE EXAMINATION RESULTS

FACULTY OF ARTS

B.A. Honours	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
Anthropology	—	2	3	—	5
Classics	1	—	6	5	12
Dutch	—	1	—	—	1
English	2	12	19	6	39
French	3	9	17	4	33
Geography	2	14	11	1	28
German	—	3	1	—	4
Hebrew	—	2	—	1	3
History	—	10	18	—	28
Italian	—	1	3	1	5
Philosophy	2	3	4	—	9
Philosophy and Economics	—	—	1	—	1
Philosophy and Greek	—	1	—	—	1
Psychology	2	6	2	—	10
Scandinavian Languages	—	2	1	—	3
	12	66	86	18	182

B.A. Aegrotat	Pass	Total
French	1	1

B.A. Honours in Architecture (Old Regulations)	1st Class Honours	2nd Class Honours	3rd Class Honours	Total
	—	—	1	1

B.A. Honours in Architecture (Revised Regulations)	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
	1	1	3	—	

FACULTY OF LAWS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
LL.B.	4	20	39	17	80

FACULTY OF SCIENCE

B.Sc.(Special)	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
Anatomy	4	3	4	—	—	11
Anthropology	—	2	1	1	—	4
Astronomy	—	1	1	1	—	3
Biochemistry	1	5	2	2	—	10
Botany	—	3	—	—	—	3
Chemistry	6	11	12	8	—	37
Geography	2	3	5	1	—	11
Geology	1	2	1	2	—	6
Mathematics	3	4	16	6	1	30
Microbiology	—	2	—	—	—	2
Physics	5	12	14	10	3	44
Physiology	—	10	4	1	—	15
Psychology	2	8	5	—	—	15
Statistics	1	3	5	—	—	9
Zoology	2	7	5	2	—	16
	27	76	75	34	4	216

B.Sc. Degree	Pass	Total
Biochemistry	1	1
Botany	4	4
Chemistry	5	5
Statistics	7	7
	17	17

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
B.Sc. (Architecture) with Honours	1	3	4	3	11

FACULTY OF ENGINEERING

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
B.Sc. (Engineering)	7	11	20	27	65
B.Sc. (Engineering) Chemical Engineering	—	4	4	7	15

FACULTY OF ECONOMICS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
B.Sc. (Economics) (Old Regulations)	—	—	1	—	—	1
B.Sc. (Economics) (Revised Regulations)	3	8	10	8	7	36
B.Sc. (Economics) Aegrotat	—	—	—	—	1	1

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 95 students passed.

APPENDIX XII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Admiralty

A grant of £1,856 for one year from 1 January 1965 for the Department of Electrical Engineering for theoretical and experimental study of correlation techniques for time delay measurement.

Agricultural Research Council

A grant not exceeding £801 for one year from 1 October 1964 for research in the Department of Mechanical Engineering into the abrasive wear of metals by non-metals.

American Cancer Society Inc.

A grant of $750 for eighteen months from 1 September 1965 for a research studentship in the Department of Zoology.

Anonymous

(1) A gift of £50 to the College's Grants and Loans Fund for students.
(2) A gift of £5 to increase the Cowley Prize in Librarianship for 1964.

Associated British Picture Corporation Limited

A grant of £1,250 per annum less tax under covenant for seven years for study of the Film in the Slade School of Fine Art.

Association for the Aid of Crippled Children

A grant of $4,200 for two years from 9 March 1965 for research in the Department of Anthropology on ultrastructures of chromosomes and experiments in induction of meiosis in somatic cells.

Bank of London and South America Limited

A grant of £25 for the year 1964–65 for the Latin American History Library in the Department of History.

Sir John Rose Bradford

A bequest of £2,640 2*s*. 10*d*.

The British Academy (Pilgrim Trust Research Fund)

A grant of £750 for 1964 for the Library towards the cost of the production of a definitive edition of the works of Jeremy Bentham.

The British Diabetic Association

Grants of £750 and £50 for one year from 1 February 1965 for expenses of insulin studies carried out by a member of staff of the Department of Biochemistry.

British Empire Cancer Campaign

A grant of £2,508 for one year from 1 October 1964 for research in the Department of Anatomy and Embryology on nucleic acids in embryonic cells.

The British Leprosy Relief Association

A grant of £100 towards expenses of a member of staff of the Department of Biochemistry.

British Petroleum Company Limited

A grant of £1,000 per annum for three years from 1 October 1964 for a research studentship in Chemical Engineering.

British Railways Board

A grant of £2,000 for two years from 1 October 1964 for research in the Department of Electrical Engineering on surface wave guides.

Cement and Concrete Association

A grant of £250 for one year from 1 October 1964 for research in the Department of Civil and Municipal Engineering in concrete technology.

Central Electricity Generating Board

A grant of £625 for one year from 1 October 1964 for research in the Department of Chemistry on electrical conductivity of deeply coloured polymers.

Jane Coffin Childs Memorial Fund for Medical Research

A grant not exceeding $500 for one year from 1 July 1965 for the expenses of a research fellow in the Department of Biochemistry.

Lt.-Col. B. E. Coke

An additional grant of £500 for the Department of Scandinavian Studies to increase the capital of the Dorothea Coke Memorial Lecture Fund to £3,000.

Danish Government

A grant of £75 to the Department of Scandinavian Studies being the contribution towards providing the allowance payable to a visiting Professor of Scandinavian Studies.

Department of Education and Science

A grant of £16,620 for three years from 1 September 1964 for a research project in the study of contemporary English in the Communication Research Centre.

Department of Scientific and Industrial Research

Grants listed under SCIENCE RESEARCH COUNCIL.

Diamond Corporation

A grant of £600 for one year from 1 October 1964 for research on diamonds in the Department of Chemistry.

Esso Petroleum Company Limited

A grant not exceeding £1,675 per annum from 1963–64 for investigation by the Department of Statistics of problems concerning the finding, producing, transporting, refining and selling of crude petroleum and its products.

Dr Annie Fantham

(1) A bequest of £5,000 to endow a Fantham Memorial Research Scholarship in Zoology.

(2) A bequest of a Zeiss microscope for the use of a research student.

Dr Elizabeth A. Fraser

A bequest of the residuary estate amounting to approximately £25,000, to be used for the general purposes of the department of Embryology.

G. N. Haden and Sons Limited

A grant of £2,250 per annum less tax under covenant for seven years from 1964–65 to enable a Haden-Pilkington Chair of Environmental Design and Engineering to be established in the Bartlett School of Architecture.

Home Office Research Unit

A grant of £2,750 for one year from 1 April 1965 for research in the Department of Psychology on recidivism of young offenders.

Hooker Chemical Corporation

A grant of $4,200 for one year from 1 October 1964 for research in the Department of Chemistry on the reactivity of co-ordinated ligands and certain potential inorganic polymers.

Icelandic Government

A gift to the Department of Scandinavian Studies of dictionaries, reference books and histories for the Departmental library.

Imperial Chemical Industries

A grant of £480 to the Department of Chemical Engineering for the purchase of a preamplifier, an oscilloscope camera, miniature transducer and preamplifier for the transducer and cable, the equipment to be on loan to the Department.

Iranian Oil Services Limited

A Leitz 'Laborlux' microscope and accessories for work in micropalaeontology in the Department of Geology.

The Leverhulme Trust Fund

(1) An additional grant of £921 for five years from 1961–62 for a Lectureship in Latin American Political Economy Studies in the Department of Political Economy.

(2) A grant of £3,000 for two years from 1 October 1965 for the Slade School of Fine Art for a Leverhulme Canadian Painting Scholarship.

(3) A grant of £600 per annum for three years from 1965–66 for a studentship in Film in the Slade School of Fine Art.

(4) A grant of £14,000 for three years for the Department of Architecture for study of the design process and the method of education for design.

John Spedan Lewis Trust for the Promotion of Natural Science

A gift to the Department of Zoology of approximately 200 volumes all concerned with the systematic description of the British land and freshwater fauna.

London County Council

A grant of £9,500 for a sociological survey of open space to be carried out by the Centre for Urban Studies for the London County Council.

Edith M. Long

A bequest of two gold medals and three certificates awarded to her grandfather, James Long, a student of the College 1830–31, together with an old instrument cabinet and a picture of James Long.

MARY LOVE

A bequest of £100 and a number of books.

MEDICAL RESEARCH COUNCIL

(1) An additional grant of £443 15*s.* for fifteen months from 1 April 1964 for study in the Department of Physiology of the mechanism of formation and drainage of the cerebro-spinal fluid.

(2) An additional grant of £218 15*s.* for eighteen months from 1 April 1964 and a further grant of £1,350 for one year from 16 September 1964 for investigation in the Department of Physiology of the relative importance of alpha and gamma activation in muscle reflexes.

(3) An additional grant of £150 for one year from 1 April 1964 for statistical study in the Department of Eugenics, Biometry and Genetics of factors in the aetiology of spontaneous abortion.

(4) Additional grants of £115 2*s.* 4*d.* from 1 April 1964 to 14 November 1964, and £1,613 13*s.* 4*d.* from 15 November 1964 to 30 November 1965 for investigation in the Department of Physiology to determine the possible physiological or pathological significance of kinin (kallidin and bradykinin) and of the enzymes which release them.

(5) An additional grant of £93 15*s.* for fifteen months from 1 April 1964 for the Department of Anatomy and Embryology for scientific assistance in a study of synaptic structure in the autonomic nervous system.

(6) Grants of £44 12*s.* 10*d.* from 1 April 1964 to 20 February 1965 and £1,950 for two years from 21 February 1965 and an additional grant of £589 for investigation in the Department of Physiology of the mechanism by which polarizing currents produce long-lasting changes in spontaneous firing of cortical cells.

(7) An additional grant of £41 13*s.* 4*d.* for ten months from 1 April 1964 and a further grant of £2,300 for two years from 1 February 1965 for study in the Department of Pharmacology of histidine decarboxylase in sensitised lymph node cells.

(8) An additional grant of £33 6*s.* 8*d.* for eight months from 1 April 1964 and a further grant of £500 for one year from 1 December 1964 for research in the Department of Biochemistry on amino acid metabolism in the perfused rat liver.

(9) An additional grant of £33 6*s.* 8*d.* for eight months from 1 April 1964 for an investigation in the Department of Chemistry on enzymic transamination.

(10) Additional grants of £29 3*s.* 4*d.* for seven months from 1 April 1964 and £825 for eleven months from 1 November 1964 for research in the Department of Zoology on protein synthesis and ageing in drosophila.

(11) An additional grant of £25 for six months from 1 April 1964 and grants of £3,500 and £2,951 10*s.* for two years from 1 October 1964 for X-Ray studies in the Department of Chemistry of endemic bladder stones.

(12) An additional grant of £25 for six months from 1 April 1964 for a kinetic and calorimetric study in the Department of Biochemistry of isocitrate lyase enzyme catalysis reaction.

(13) An additional grant of £23 12*s.* 2*d.* from 1 April 1964 to 20 September 1964 and grants of £122 15*s.* 8*d.* from 21 September 1964 to 31 October 1964 and £1,032 4*s.* 4*d.* for eleven months from 21 October 1964 for study by the Student Health Centre of the prevalence of mental ill-health in a population of University students.

(14) Grants of £10 8*s*. 4*d*. for five months from 1 April 1964 and £1,000 and £675 for one year from 1 September 1964 for investigation in the Department of Physiology into the transmission of information about external stimuli in primary and second order receptor neurones.

(15) A grant of £4,950 for three years from 1 August 1964 for research in the Department of Biophysics on the mechanism of visual excitation.

(16) An additional grant of £80 16*s*. 8*d*. for one year from 1 August 1964 for technical assistance for work on central control of muscle spindles in the Department of Physiology.

(17) A grant of £2,158 for one year from 1 September 1964 for psychological study in the Department of Psychology of the children of school age in the Tristan-da-Cunha settlement.

(18) Grants of £1,753 and £663 for one year from 3 September 1964 for study in the Department of Physiology of the long term effect of polarizing currents on the rat cerebral cortex.

(19) A grant of £5,962 for three years from 1 October 1964 for research in the Department of Biochemistry on structural and enzymic studies on myosin.

(20) A grant of £2,610 for three years from 1 October 1964 for work in the Departments of Botany and Chemistry on the genetics and chemistry of actidone action in yeast.

(21) A grant not exceeding £1,200 for one year from 1 October 1964 and a further grant of £1,200 for one year from 1 October 1965 for studies in the Department of Biochemistry on amidase production by mutant strains of Pseudomonas aeruginosa.

(22) A grant of £208 for two years from 5 October 1964 for the Department of Biochemistry for a computer programme on carbohydrate and fat metabolism.

(23) A grant of £1,850 for two years from 1 December 1964 for an investigation in the Department of Chemistry of enzymic transamination.

(24) A grant of £955 for one year from 1 January 1965 and an additional grant of £37 10*s*. for nine months from 1 April 1965 for investigation in the Department of Chemistry of molecular size and shape of muscle proteins in dilute solution.

(25) A grant of £4,485 for three years from 1 March 1965 for research in the Department of Physiology on isolation and characterisation of γ-aminobutyric acid transamines.

(26) A grant of £13,465 for three years from 1 April 1965 for research in the Department of Pharmacology on the action of psychotropic drugs.

(27) Grants of £7,270 and £255 for two years from 1 October 1965 for research in the Department of Pharmacology on the identification of irogastrone.

(28) A grant of £1,400 for one year from 1 October 1965 for research in the Department of Biochemistry on the isolation and characterisation of messenger RNA from avian reticulocytes.

(29) A grant of £500 for one year from 1 October 1965 for research in the Department of Anthropology on genetical variation in natural populations of the baboon (Papio) in Uganda.

(30) An additional grant of £5,000 for the Department of Eugenics, Biometry and Genetics towards the provision of accommodation, fittings and furnishings at 2–10 Euston Buildings and 8–10 Regnart Buildings.

(31) A grant of £3,412 for the Department of Eugenics, Biometry and Genetics for the cost of work required to accommodate Professor H. Harris in the Galton Laboratory.

(32) A grant of £3,310 for the Department of Biochemistry for the purchase of a spectrophotometer required in an investigation of mechanism of action of bovine pancreatic ribonuclease and related enzymes.

(33) A grant of £3,296 for the Department of Physiology for purchase of equipment for research on the discharge pattern of semitendinosus fusimotor neurones in the rabbit and the effect of spinal transection and stimulation and of drugs.

(34) A grant not exceeding £2,950 for an extended period to 30 September 1966 for the Department of Biochemistry for a kinetic and calorimetric study of isocitrate lyase enzyme catalysis reaction.

(35) A grant of £2,584 for the Department of Biochemistry for the purchase of equipment for research on hormonal control of metabolism.

(36) A grant of £2,442 for the Department of Zoology for equipment for research on changes in the life-cycle of trypanosomes.

(37) A grant of £1,850 for investigations in the Department of Physiology of the role of kinins in the regulation of blood flow and further elucidation of the nature of atropine resistance in cholinergic systems.

(38) A grant of £1,218 for the period from 28 May 1965 to 27 November 1966 for studies in the Department of Physiology of the properties of isolated muscle during contraction and relaxation.

(39) A grant of £700 for an extended period to 30 September 1965 for scientific assistance in the Department of Biochemistry in an investigation of the structure and mode of synthesis of cell walls of *Pseudomonas* species.

(40) An additional grant of £50 for purchase by the Department of Physiology of special apparatus for the purification of gamma-aminobutyric acid transaminase from brain and other enzymic products.

(41) An indefinite loan to the Department of Biochemistry and other Departments as practicable, of analytical ultracentrifuge for use in research programmes.

The Memorial Foundation for Jewish Culture

A grant of £42,000 over seven years, plus a ten per cent reserve against salary increases and the cost of printing publications, for the development of Hebrew studies.

Mental Health Research Fund

A grant of £824 for eight months from 1 January 1965 towards the cost of a research assistant in the Department of Anatomy and Embryology.

Ministry of Aviation

(1) A grant not exceeding £1,997 for one year from 1 June 1964 for theoretical study in the Department of Chemistry of the bond strengths of various inorganic links of interest in the high-temperature polymer field.

(2) A grant not exceeding £1,708 for one year from 1 October 1964 for research in the Department of Chemical Engineering on the catalytic combustion of hydrocarbons.

(3) A grant not exceeding £1,435 for one year from 1 October 1964 for research in the Department of Mechanical Engineering on packaging dynamics.

(4) A grant of £1,055 for one year from 1 October 1964 for research in the Department of Phonetics on sound coded speech.

(5) A grant of £1,045 for one year from 1 October 1964 for investigation in the Department of Mathematics of oscillatory derivations.

(6) A grant of £460 for one year from 1 January 1965 for the Department of Mechanical Engineering for experimental analysis of turbine blade performance.

Ministry of Aviation (Royal Aircraft Establishment)

A grant of £2,100 for one year from 1 September 1964 for investigation by the Department of Electrical Engineering of the subject of correlation of speech wave forms under certain conditions.

Ministry of Defence

(1) A grant of £9,710 for three years from 1 October 1964 for research in the Department of Electrical Engineering on large signal operation of D.C. pumped ring valve.

(2) A grant of £7,598 for one year from 1 October 1964 for research in the Department of Electrical Engineering on vacuum electronics and semi-conductors.

(3) A grant of £15,300 for three years from 14 December 1964 for research in the Department of Electrical Engineering on growing wave interactions in periodically perturbed semi-conductors.

(4) A grant of £500 for one year from 1 January 1965 for research in the Department of Civil and Municipal Engineering on inflated structures.

(5) A grant of £1,413 for one year from 1 March 1965 for investigation in the Department of Civil and Municipal Engineering on lightweight shelters.

Ministry of Health

A grant of £7,960 for two years from 1 June 1965 for a pilot study in the Department of Architecture on the subjective evaluation of external noise in the vicinity of hospital buildings.

Ministry of Public Building and Works

A grant of £3,650 for one year from 1 January 1965 for the Department of Political Economy for a study of trends in building prices.

Ministry of Transport

A grant of £9,143 for fifteen months for the Department of Architecture for a study into the foreseeable requirements for Service Areas, their layout and design, on British Motorways up to 1980.

Muscular Dystrophy Association of America, Inc.

A grant of $5,408 for one year from 1 July 1964 for research in the Department of Physiology on isolated muscle fibres.

Mullard Limited

A grant of £6,500 per annum for ten years from 1965 for space research in the Department of Physics.

Multiple Sclerosis Society

A grant of $3,000 for one year from 1 January 1965 for the Department of Physiology for histological and micropharmacological study of Mauthner neurones.

National Institutes of Health, U.S.A.

(1) A grant of $500 for one year from 15 May 1964 for a research allowance for a member of staff of the Department of Anatomy and Embryology.

(2) Additional grants of $1,833 for one year from 1 June 1964 and $14,844 for one year from 1 June 1965 for research in the Department of Phonetics on the effect of drugs on speech production.

(3) A grant of $8,800 for one year from 1 July 1964 for research in the Department of Eugenics, Biometry and Genetics on the mapping of human genes by cell culture.

(4) A grant of $500 for one year from 1 October 1964 for research in the Department of Physiology on neuromuscular physiology.

(5) A grant of $35,509 for one year from 1 March 1965 for research in the Departments of Psychology and Pharmacology (and the Department of Psychology, Birkbeck College) on the psychopharmacology of learning perception and skill under the direction of Professor A. Summerfield.

(6) A grant of $500 for one year from 1 September 1965 for expenses of a research fellow in the Department of Physiology.

National Institute for Research in Nuclear Science

(1) An additional grant of £1,000 for four years and ten months from 1 October 1962 for the Department of Physics for theoretical studies of elementary particles.

(2) Grants of £4,100 for one year from 1 October 1963 and £14,892 for one year from 1 October 1964 for the Department of Physics for the construction of a heavy liquid bubble chamber.

(3) A grant of £750 for one year from 1 January 1965 and an additional grant of £100 for the Department of Physics for experiments with the Proton Linear Accelerator.

(4) A grant of £3,872 for one year from 1 October 1965 for the Department of Physics for experiments with NIMROD.

National Science Foundation

(1) A grant of $600 for equipment and supplies for a member of staff in the Department of Zoology while carrying out research at the College.

(2) A grant of $200 for eight months from 13 September 1964 for expenses incurred by a member of staff in the Department of Chemistry.

Nature Conservancy

A grant not exceeding £100 for one year from 28 October 1964 for the Department of Botany towards the cost of research into the productivity of sand dune ecosystems.

Nuffield Foundation

(1) An additional grant of £258 17*s*. 5*d*. for one year from 1 August 1963 for the Department of Botany for maintenance of the Nuffield Botanic Research Garden.

(2) An additional grant of £13,000 for three years from 1 October 1964 for research in the Communication Research Centre into English language designed to contribute to the teaching of English in schools.

(3) A grant of £10,250 for two years from 1 October 1964 for research in the Department of Anatomy and Embryology on the isolation of neurones from the mammalian brain.

(4) A grant of £10,000 per annum for two years from 1965 towards the work of the Centre for Urban Studies.

(5) A grant of £40,000 for two to three years for the Department of Architecture for a detailed study of a section of the Central London Area in relation to growth and change in this area over the last twenty years.

Parke Davis and Company Limited

A grant of £200 for one year from 1 October 1964 for research in the Department of Physiology on inflammation peptides and related topics.

Pilkington Brothers Limited

A grant of £2,250 per annum less tax under covenant for seven years from 1964–65 to enable a Haden-Pilkington Chair of Environmental Design and Engineering to be established in the Bartlett School of Architecture.

The Population Council, New York

A grant of $5,000 for the study in the Centre for Urban Studies of migration in Britain, 1851–1961.

Rediffusion Television Limited

A grant of £500 for the year 1965–66 for a maintenance scholarship for a student of the Slade School of Fine Art.

Rees Jeffreys Road Fund

(1) A grant of £150 to pay the salary of a part-time studio instructor assistant to a member of staff in the Department of Town Planning.

(2) A grant of £63 for 1964–65 for the Department of Town Planning to cover the cost of fees and expenses for a series of ten lectures on the Landscape of Roads.

Rockefeller Foundation

Grants of £356 9*s*. 2*d*. for 1962–63 and £358 1*s*. 1*d*. for 1963–64 relating to the facilities extended to the Rockefeller Foundation Fellow at the College during 1962–63 and 1963–64.

The Joseph Rowntree Charitable Trust

An additional grant of £350 per annum for three years from 1963–64 towards full-time secretarial assistance for research carried out by a member of staff in the Department of Laws.

The Royal National Institute for the Blind

A grant of £900 for one year from 1 November 1964 for investigation in the Department of Biochemistry of retinitus pigmentosa in rats.

The Royal Society

(1) An additional grant of £495 for eighteen months from 1 April 1964 being an increase in a Tropical Research Fellowship awarded to a member of staff of the Department of Zoology and a grant of £3,000 for one year from 1 October 1965 for the renewal of the Fellowship.

(2) A grant of £1,430 for one year from 1 October 1964 for research in the Department of Physics on the excitation of atmospheric gases by high speed protons.

(3) A grant of £1,925 10*s*. for the purchase by the Department of Biochemistry of a gas chromatograph for use in research on lipid components of bacteria.

(4) A grant of £1,900 for the purchase by the Department of Chemistry of tape-editing equipment for use in the interferometry of absorption spectra.

(5) A grant of £1,605 for the Department of Pharmacology for the purchase of equipment in connection with investigations on histidine decarboxylase in lymph node cells.

(6) A grant of £765 for an investigation in the Department of Chemistry of enzyme kinetics using computer techniques.

(7) A grant of £400 for the Department of Anthropology for a reconnaissance visit regarding a study of the population genetics of the Hadza people in Tanzania.

R. J. Sainsbury Discretionary Settlement

A grant of £500 less tax for the Slade School of Fine Art for the benefit of young sculptors on completion of their training.

Science Research Council (Formerly Department of Scientific and Industrial Research)

(1) An additional grant of £3,157 for seven years and seven months from 1 January 1961 for diffraction studies in the Department of Chemistry of molecular vibrations in crystals.

(2) An additional grant of £414 for three years and six months from 1 April 1961 for research in the Department of Physics into the interaction of high energy particles in nuclei and the properties of unstable particles produced in high energy interactions.

(3) An additional grant of £7,760 for four years and two months from 1 June 1963 for investigation in the Department of Zoology of the cell surface in development.

(4) An additional grant of £644 for three years from 1 September 1963 for investigation in the Department of Psychology into speed and accuracy in decision making.

(5) An additional grant of £433 for three years from 1 October 1963 for study by the Department of Astronomy of the nature of lunar surface features.

(6) Grants not exceeding £17,707 and £1,048 for three years and eight months from 1 January 1964 for studies in the Department of Psychology in the training of adult workers.

(7) A grant not exceeding £10,587 for three years and four months from 1 April 1964 for the Department of Physics for the application of single particle counting techniques to the study of some atomic collision processes.

(8) An additional grant of £330 for three years from 1 April 1964 for investigation in the Department of Botany on the synthesis and distribution of nucleic acids and lipids in the egg cells of a plant.

(9) A grant not exceeding £7,100 for one year from 1 July 1964 for research in the Department of Civil and Municipal Engineering on the effect of anisotropy on stress-deformation characteristics of soils.

(10) Grants not exceeding £250 for one year from 1 July 1964 and £15,900 for one year from 1 July 1965 for research in the Department of Anatomy and Embryology on the nervous system and learning in octopus.

(11) A grant not exceeding £390,000 for three years from 1 August 1964 for the Department of Physics for investigation on geophysical and astronomical research in space.

(12) A grant not exceeding £6,775 for three years from 1 August 1964 for investigation in the Department of Electrical Engineering entitled 'Growing wave in interactions in periodically perturbed semi-conductors'.

(13) A grant of £4,400 for three years from 1 August 1964 for research in the Department of Electrical Engineering on microwave amplification using tunnel diodes in distributed circuits.

(14) An additional grant of £300 for a revised period of one year from 17 September 1964 for the Department of Physics for research with the emulsion group.

(15) A grant not exceeding £15,800 for three years from 1 October 1964 for research in the Communication Research Centre on the linguistic properties of scientific English.

(16) A grant not exceeding £6,000 and an additional grant of £967 for two years and ten months from 1 October 1964 for research in the Department of Phonetics on time cues in the generation and reception of speech.

(17) A grant of £2,845 for one year from 1 October 1964 for research in the Department of Chemistry on high pressure X-ray and neutron diffraction.

(18) An additional grant of £110 for two years from 1 October 1964 for the Department of Astronomy for spectroscopic investigations of late type southern stars.

(19) A grant of £11,468 for two years from 1 January 1965 for the Department of Chemistry for the construction of new grating spectrograph.

(20) A grant not exceeding £7,500 for two years from 1 January 1965 for the Department of Astronomy for equipment development for stellar and laboratory spectroscopy.

(21) A grant of £5,000 for two years and seven months from 1 January 1965 for the Department of Architecture for photometric study of daylight in buildings.

(22) A grant of £3,050 for two years from 1 January 1965 for the Mathematics Department for an investigation entitled 'Boundary Layers'.

(23) A grant of £2,535 for three years from 1 January 1965 for an investigation in the Department of Biochemistry into the evolution of ureotelism in fishes and amphibia.

(24) A grant of £160 for one year from 1 January 1965 for research in the Department of Mechanical Engineering on the motion of shafts.

(25) A grant of £23,297 for three years from 1 February 1965 for the Department of Zoology for an investigation entitled 'Functional aspects of the fine structure of cells'.

(26) A grant not exceeding £1,695 for one year from 1 March 1965 and an additional grant of £2,574 with an extension of date to 31 July 1967 for investigation in the Department of Anatomy and Embryology on electron microscopy of synaptic connections in the central nervous system.

(27) A grant of £688 for six months from 1 April 1965 for investigations in the Department of Biochemistry on a computer model of cellular metabolism.

(28) A grant of £5,300 for two years from 1 May 1965 for an investigation in the Department of Chemistry of 3-D X-ray photography in unstable conditions.

(29) A grant of £2,110 for two years from 1 May 1965 for investigations in the Department of Zoology on serial sectioning and reconstruction of mammal ancestors.

(30) A grant of £1,050 for one year from 1 May 1965 for the Department of Physics for Rutherford Laboratory Bubble Chamber experiments at CERN.

(31) A grant of £10,760 for two years from 1 October 1965 for a mass spectrometric study in the Department of Chemical Engineering of free radicals in slow combustion reactions.

(32) A grant of £2,365 for two years from 1 October 1965 for an investigation in the Department of Chemistry of substituent effects of positive poles in aromatic nitration.

(33) A grant of £2,035 for one year from 1 October 1965 for investigations in the Department of Mathematics on Quantum Electrodynamics.

(34) A grant of £300 for nine months from 1 October 1965 for investigations in the Department of Mathematics on theory of numbers.

(35) An additional grant of £42,200 with an extension of date to 31 July 1967 for an investigation in the Department of Physics involving measuring and data reduction concerned with bubble chamber photographs.

(36) An additional grant of £380 for the Department of Biochemistry for the purchase of chart recorder in connection with spectropolarimetric investigation of the mechanism of enzyme action.

(37) An additional grant of £250 for research in the Department of Physics on K and Λ meson decays and the life-time of the Ξ° meson.

Scottish Education Department

A grant of £500 for one year from 1 April 1965 for research in the Communication Research Centre on linguistics and the teaching of English.

Smith, Kline and French Research Institute

A grant of £550 for 1964–65 for a scholarship in the Department of Pharmacology.

Southwest Foundation for Research and Education, Texas

A grant of $200 for summer 1965 for field work expenses in the Department of Anthropology.

Standard Telecommunication Laboratories Limited

A grant of £1,000 for one year from 1 October 1964 for a study in the Department of Electrical Engineering of piezo electric phenomena in semi-conductors.

United Kingdom Atomic Energy Authority

A grant of £1,650 for one year from 1 October 1964 for the Department of Mechanical Engineering for theoretical assessment of several magnetohydrodynamic concepts.

United States Air Force

(1) An additional grant of $10,000 for one year from 1 February 1964 and grants of $33,000 and $7,000 for one year from 1 February 1965 for research in the Department of Physics on determination of air density, temperature and winds at high altitudes.

(2) A grant of $10,000 for one year from 1 May 1965 for research in the Department of Phonetics in speech analyser systems.

(3) A grant of $20,000 for one year from 1 June 1965 for research in the Department of Anatomy and Embryology on the anatomical localisation of target learning and memory.

United States Army Procurement Centre

A grant of $8,700 for one year from 1 January 1965 for investigation in the Department of Electrical Engineering of a method for modulation of a beam of light at megacycle order frequencies.

United States Department of Health, Education and Welfare

(1) A grant of $1,950 for one year from 1 October 1964 for research in the Department of Biophysics on physical factors in cation transfer by red cells.

(2) A grant of $500 for one year from 1 October 1964 for expenses in connection with a research fellowship in the Department of Physiology.

United States Navy

(1) A grant of $12,460 for one year from 1 June 1964 for research in the Department of Physics on atomic processes.

(2) A grant of $7,273 for one year from 31 October 1964 for research in the Department of Astronomy on the collapse and fragmentation of interstellar and intergalactic clouds and associated problems.

Professor D. M. S. Watson

A gift to the College of palaeontological books and offprints.

Wellcome Historical Medical Museum

A gift to the Department of Egyptology of documented material from a series of sites in Upper Egypt and the Sudan; also books, showcases and cupboards.

Wellcome Trust

A grant of £3,500 for two years from 1 April 1965 for a research fellowship for a member of staff in the Department of Egyptology.

Westminster Bank Limited

A gift to the College of a plaque of John Flaxman.

BENEFACTIONS AND DONATIONS TO THE LIBRARY

During the session the Library was the grateful recipient of many generous gifts from friends and associates and former members of College. From Scandinavia there came three most welcome gifts. The Swedish Institute made most generously a donation for the purchase of books for the Swedish section of the Scandinavian collections of £100 for 1964 and £100 for 1965. Secondly, the Library became indebted to the Abo Akademis Bibliotek for its handsome presentation of 332 volumes consisting of back runs of *Skrifter utg. av Svenska Literatursällskapet i Finland*, *Ateneum*, *Euterpe*, *Finske Tidskrift*, *Granskaren* and *Nya Argus*. Thirdly, towards the end of the session the Librarian received a letter from Dr Olof von Feilitzen of the Royal Academy, Stockholm, in which he said that the Swedish Academy had decided to place the College Library on their permanent mailing list for their *Handlingar*, an unusual privilege enjoyed by only a few institutions in the world. Dr von Feilitzen also arranged for the Library to receive the necessary back volumes to complete its set of these publications.

The Library with great regret learned of the death of Dr L. E. Bayliss on 20 August 1964. He had been a member of the Medical Sciences Library Sub-Committee since the war, and had served as Chairman since November 1951. In his will he directed that the Thane library should receive such volumes from his library as might be thought desirable, and that these should be made available to readers. Accordingly, a selection was made totalling 193 volumes (some being periodicals, including the set of the *Biochemical Journal* which he had earlier deposited in the Library) and these were catalogued and placed in the Thane library, each bearing a memorial bookplate. In addition the Library had received a large collection of reprints formed by Dr Bayliss.

At the end of the session the Library gratefully received from Professor D. M. S. Watson his remarkable library of palaeontological books and offprints which will eventually be incorporated into the Smith Woodward collection. Professor H. Hale Bellot generously gave a sum of £200, to be shared equally between the College Library and the Institute of Historical Research, for the purchase of books on American history. The Library benefited from a bequest of £100 and a number of books, made by the late Miss Mary Love, who was a student of the College from 1896 to 1900.

Sir Arthur MacNalty presented some 120 books, including many works by Vernon Lee and, among others, Sismondi and Burckhardt, which were added to our Italian, Fine Art, and History collections. Mr A. D. W. Pimm gave the Library sets of W. H. Mallock and G. P. F. James, which had belonged to his late father's library. From Major C. Lawford Acland the History of Science section received the welcome addition of a gift of a small collection of mid-nineteenth century scientific textbooks.

In the course of the session the Princess Despina Karadja offered to bequeath to the Library her own library of books on the history of Byzantine and religious art and this offer was accepted with gratitude by the Chairman acting on behalf of the Library Committee.

APPENDIX XIII

COLLEGE ACCOUNTS 1964–65

The Balance Sheet and the Income and Expenditure Account for the year will be found on pages 112-15.

BALANCE SHEET

Features of special interest were:

LIABILITIES

The Capital Account increased by £366,151, which is attributable largely to the completion of Ramsay Hall and to receipts from donors and capital grants towards the acquisition of properties.

ASSETS

Freehold Land and Buildings increased by £407,374, which is represented by four main additions, the more important being the completion of Ramsay Hall, the purchase of a site on the corner of Whitfield and Maple Streets (for Hall of Residence), and the purchase of Holmbury House, Holmbury St Mary, Surrey, for use as the Mullard Space Science Laboratory.

TRUST FUNDS

The College holds endowments in the form of 184 separate trust funds with a total value of £1,067,896. The funds yield a total income of £71,000 per annum.

INCOME AND EXPENDITURE

The expenditure for the year exceeded the income by £6,019, as compared with a surplus of £2,565 for the previous year.

Income exceeded that of 1963–64 by £412,870, of which £387,887 represented increased grants from the Court of the University including £100,000 for expansion under the Robbins programme. Fees increased by £14,830, due to the increase in the number of students.

Expenditure was £421,455 more than in 1963–64. Of this sum, £321,357 was spent upon academic activities: this included a number of new academic appointments and the continuing effects of the 1964 Salaries Award. Additions to the establishment of Technicians and salaries awards from 1 December 1964 and 1 April 1965 accounted for additional expenditure of £58,566. Maintenance of Premises required an extra £52,904.

Income and expenditure under the main classifications in 1964–65, as compared with 1963–64 and the corresponding year of the previous quinquennium, are shown in the following table.

	1958-59		1963-64		1964-65	
EXPENDITURE	£	%	£	%	£	%
Salaries and Pensions of Teaching Staff ..	776,280	48·5	1,413,650	49·4	1,670,300	50·9
Departmental Expenses, including Library	390,680	24·4	691,780	24·2	756,490	23·0
Maintenance of Premises	241,520	15·1	438,960	15·3	491,860	15·0
Administration ..	123,390	7·7	205,660	7·2	235,550	7·2
Other	68,830	4·3	111,490	3·9	128,790	3·9
	£1,600,700	100·0	£2,861,540	100·0	£3,282,990	100·0
INCOME						
Endowments ..	46,280	2·9	58,000	2·0	63,400	1·9
Grants	1,349,810	84·1	2,501,320	87·3	2,889,210	88·2
Donations	14,700	·9	30,640	1·1	29,960	·9
Fees	164,240	10·2	237,430	8·3	252,260	7·7
Other	30,060	1·9	36,710	1·3	42,140	1·3
	£1,605,090	100·0	£2,864,100	100·0	£3,276,970	100·0

EXTRA-BUDGETARY ACTIVITIES

The College administers the finances of many research projects supported from outside sources. 295 were being pursued actively at 31 July 1965. Receipts of research grants were £616,673 compared with £518,490 in 1963–64, and payments rose from £509,503 in 1963–64 to £664,655 in 1964–65.

CAPITAL GRANTS

Capital Grants made during the year 1964–65 were as follows:	£
Biological Sciences Block, Stage V:	
Building work	1,625
Professional fees	210
Adaptations in Foster Court for Geography: Purchase of equipment	2,243
Adaptations in Physics Theatre	550
Adaptations in Basement of South Wing	7,685
Adaptations in Civil Engineering, Photogrammetry, Architecture and Physiology	6,765
Engineering Building, Stages I and II: Photogrammetry Equipment	80,063
Engineering Building, Stage III: Chemical Engineering Equipment	86,999
Adaptations in Foster Court: Arts Departments' furniture ..	7,044

Physics Extension:	
Building work	217,817
Professional fees (interim grant)	12,000
Preliminary adaptations to 25 Gordon Street:	
Professional fees	1,260
Benching and light fittings	1,706
Adaptations in Photogrammetry, Physiology, Architecture, and South Wing Basement: Purchase of furniture	12,466
Huts at rear of Gordon Square Houses:	
Building work	4,989
Professional fees	486
Alterations in Chemistry:	
Building work	5,816
Purchase of furniture	5,348
Adaptations for Civil Engineering and Geology:	
Building work	63,925
Professional fees (interim grant)	3,000
Purchase of equipment and furniture	49,251
Biological Sciences Block, Stage V: Physiology equipment	2,761
Chemistry alterations: Purchase of equipment	15,993
Adaptations in Botany: Laboratory benching	497
Central Collegiate Building, Stage I:	
Building work	399,778
Professional fees (interim grant)	20,000
2–10 Euston Buildings for Eugenics, Biometry and Genetics:	
Building work	241,000
Professional fees (interim grant)	24,355
Adaptations in Physiology: Purchase of equipment	3,052
Chemistry Building, Stage I: Professional fees (interim grant) ..	50,000
Purchase of lease of 15 Taviton Street WC1	10,000
Purchase of 33–35 Daws Lane NW7 (extension to University of London Observatory)	10,000
Purchase of lease of 11 Colosseum Terrace NW1	5,550
	£1,354,234

SCHOLARSHIPS AND PRIZES

Expenditure amounted to £16,546 14*s*. 1*d*. Awards were made as under:

	Undergraduate			*Postgraduate*		
	£	*s*	*d*	£	*s*	*d*
From Endowments	1,448	9	0	5,729	1	0
,, Donations and Subscriptions	1,197	0	0	4,306	14	4
,, General Income	1,397	19	11	1,919	9	10
,, General Income: Exhibition Bursaries and special fee remissions	444	0	0	104	0	0
	£4,487	8	11	£12,059	5	2

31-7-64 £		£
9,548,163	CAPITAL ACCOUNT	9,914,315
63,221	REDEMPTION FUNDS	18,001
16,494	INCOME AND EXPENDITURE ACCOUNT	10,474
9,627,878		9,942,790
557,035	SUNDRY FUNDS	583,820
149,906	LOANS	163,007
514,682	UNEXPENDED BALANCES	479,134
266,331	CURRENT LIABILITIES	272,384
11,115,832		11,441,135
1,132,170	TRUST FUNDS	1,067,897
£12,248,002		£12,509 032

NOTE

The College freehold properties were revalued during 1959 on the basis of current land values and estimated building costs, by the College Authorities with professional assistance from Quantity Surveyors. Accordingly these properties are stated at the 1959 valuation with subsequent additions at estimated cost.

No value is included in capital account for furniture and equipment.

We have audited the above balance sheet and the annexed income and expenditure thereon, a true and fair view of the state of affairs of University College London (*b*) moneys expended during the year out of non-recurrent grants received from the

3 Frederick's Place, Old Jewry, London, E.C.2.

24th November 1965.

31-7-64 £		£
9,693,185	FREEHOLD LAND AND BUILDINGS—see note below	10,100,560
169,721	LEASEHOLD LAND AND BUILDINGS	140,499
9,862,906		10,241,059
32,832	CAPITAL AND OTHER WORKS IN PROGRESS *less* capital grants and other capital receipts	62,698
506,079	INVESTMENTS .. .. (*Market Value of Stock Exchange Securities and other Investments at 31st July 1965, £553,295: 31st July, 1964, £550,235*)	542,704
234,530	EXPENDITURE RECOVERABLE FROM FUTURE GRANTS	236,961
57,782	CAPITAL WORKS—Expenditure in respect of Suspended Works ..	57,782
421,703	CURRENT ASSETS including prepayments	299,931
11,115,832		11,441,135
1,132,170	TRUST FUNDS	1,067,897
£12,248,002		£12,509,032

account. In our opinion (*a*) the said accounts give, on the basis indicated in the notes at 31st July, 1965, and of the income and expenditure for the year ended on that date: University Court and other Funds administered by the College for specific purposes have been properly applied to those purposes.

PRICE WATERHOUSE & CO.
Chartered Accountants

EXPENDITURE

1963–64 £			£	£
	ADMINISTRATION			
143,256	Salaries		163,039	
10,241	Superannuation		11,601	
41,729	Advertising, Printing, Stationery, Postage, and Telephone		48,008	
10,433	Other Expenses (including Professional Fees)		12,899	
(205,659)				235,547
	ACADEMIC DEPARTMENTS			
1,298,521	Salaries of Teaching Staff		1,531,884	
115,134	Superannuation		138,419	
340,220	Departmental Wages (including Superannuation)		398,786	
228,503	Departmental and Laboratory Maintenance		230,709	
104,899	Libraries		119,680	
18,156	Other Expenses		7,313	
(2,105,433)				2,426,791
	MAINTENANCE OF PREMISES			
97,399	Rates		94,881	
4,429	Insurance		6,505	
	Rent and other payments for use of buildings:			
9,378	Halls of Residence	10,816		
3,704	Other Buildings	29,827		
			40,643	
83,674	Heat, Light, Water and Power		91,535	
194,148	Repairs and Maintenance of Buildings including amounts set aside for long-term maintenance		204,467	
40,930	Wages of Porters and Attendants (including superannuation)		47,712	
5,298	Other Expenses		6,121	
(438,960)				491,864
	GENERAL EDUCATIONAL			
1,820	Examinations		1,835	
19,467	Scholarships and Prizes		16,547	
660	Public Lectures		1,261	
2,500	Staff Attendance at Conferences		3,000	
300	Other Items		199	
(24,747)				22,842
	STUDENT FACILITIES AND AMENITIES			
32,085	Grant to Students' Union		35,410	
2,681	Salaries and Superannuation of Wardens of Halls of Residence		4,597	
2,817	Student Health Service		4,647	
2,895	Students' Purposes Fund		3,042	
200	Crabb Robinson Fund		215	
507	Ealing Hall Fund		213	
3,452	Central Admissions Scheme		5,240	
2,500	Furniture for Student Houses		2,500	
15	*Miscellaneous*		—	
(47,152)				55,864
	MISCELLANEOUS			
16,418	Staff Pensions		20,277	
796	Grants from Benevolent Fund		825	
2,100	Grants from Bawden Fund		367	
1,768	Interest on Overdrafts, etc.		1,395	
4,805	Sundries		5,587	
	Deficits on Income and Expenditure Account for Halls of Residence, Refectories, etc.			
	Refectory:			
1,110	College Subvention	1,200		
1,707	Trading Loss written off	14		
			1,214	
(28,704)				29,665
	CAPITAL EXPENDITURE MET FROM INCOME			
3,250	Gordon Street Frontage		3,420	
132	12, *Euston Buildings*		—	
7,500	*Outstation Developments*		—	
—	Provision—extra contractual claims		6,000	
—	Biological Sciences—Ventilation		11,000	
(10,882)				20,420
2,566	*Excess of Income over Expenditure*			—
£2,864,103				£3,282,993
—	Excess of Expenditure over Income for the year			6,020
16,494	Balance 31st July 1965 carried to Balance Sheet			10,474
£16,494				£16,494

INCOME

1963–64 £		£	£
	ENDOWMENTS		
57,997	Income of Trust Funds appropriated for purposes specified by Trust against expenditure included opposite		63,402
	DONATIONS AND SUBSCRIPTIONS: Appropriated for:		
676	Special Purposes	320	
10,247	Scholarships and Bursaries	4,307	
14,809	Salaries and Superannuation	22,363	
4,911	Departmental and Laboratory Maintenance	2,973	
(30,643)			29,963
	GRANTS FROM UNIVERSITY COURT		
2,261,328	General	2,464,000	
	Earmarked:—		
81,796	Academic salary increases 1964 Scheme	257,492	
57,950	Former Research Councils	60,350	
9,185	Medical Education	9,665	
89,473	Rates	95,303	
1,591	Hayter Committee	2,400	
(2,501,323)			2,889,210
	FEES		
236,482	General	250,665	
673	Examination and Registration	1,042	
270	Exhibition Bursaries and Special Remissions	548	
(237,425)			252,255
11,832	CONTRIBUTIONS FOR SERVICES RENDERED		12,172
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
910	College Properties		8,053
23,973	OTHER ITEMS		21,514
	ALLOCATION FROM RESERVE		
—	Former Research Councils Grant		404
			3,276,973

NOTES

1. In addition to the Income and Expenditure shown, sums totalling £664,655 (£509,503 in 1963–64) were spent on Extra-budgetary activities for which grants have been or will be received from outside sources.

2. Certain items of expenditure shown in this account have been reduced by £20,706 (1963–64 increased by £18,586), representing a net decrease during the year in unexpended balances of general revenue grants from University Court.

—	EXCESS OF EXPENDITURE OVER INCOME FOR THE YEAR ..	6,020
£2,864,103		£3,282,993
13,928	Balance as at 1st August, 1964	16,494
2,566	*Excess of Income over Expenditure for the year*	—
£16,494		£16,494

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